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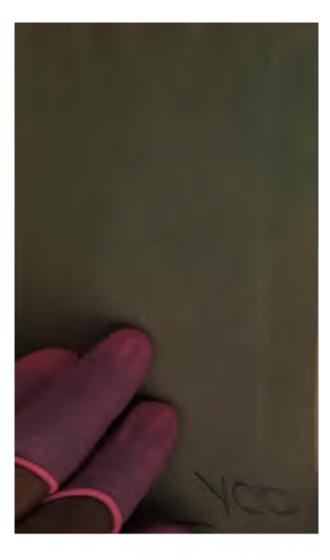
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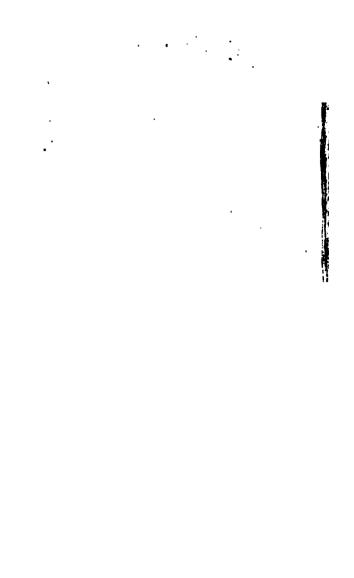
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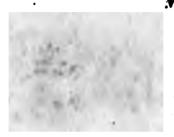












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SACRED HISTORY

THE WORLD,

ATTEMPTED TO BE

PHILOSOFFICALLY CONSIDERED.

LW A

SERIES OF LETTERS TO A SON.

BY SHARON TURNER, T.S.A. & R.A.S.L.,

IN THREE VOLUMES.

NEW-YORK:

MARPER & BROTHERS, 82 CLIFF-ST.

1838.

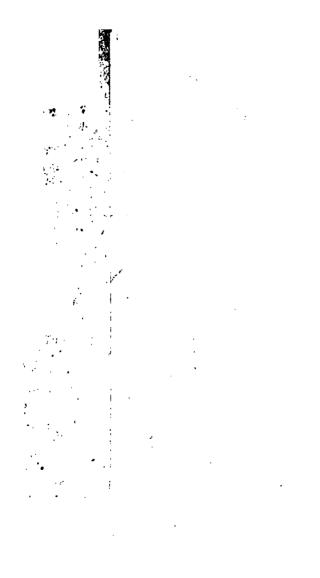
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Lice auc

PREFACE.

In presenting the concluding volume History of the World to the public, the only to thank his readers for their fave well tion of the preceding volumes, and hope that the following pages may be unsuitable companion to them. They views of the great subject which he demit to the consideration of his youngeries; and his wishes will be fulfille gratification to himself, if they shall be to those whom he desires so much to a

Cottage, Winchmore Hill, Middlesex, 11th March, 1837.



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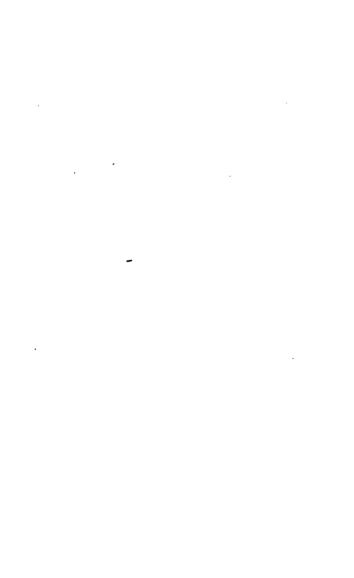
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SACRED HISTORY

THE WORLD.

PART =

LETTER 1

<u>Berephaleton</u> of the Oriente of the former Latern—Bellement of the Subjects subsolut to be remonated as the present forms, and of the masters on which they will as Posites.

MY DEAR SIN.

It is now my wish in resume our immediation is to be cred History is the Winds in other to instruct our remspecial responsible to a standard which is not the topics and yet indistinguished which will immediate my on the topics and thing the little manager is immediate before you as fully as I may be said to between it.

It was the loger if the present green is the season general outlines if the lateral structure and demonstrate out of the outlines and harmonic structure and demonstrate and at the vegetable and human streams it image which as whose able you to perseve from their many minor and as an adversary for a system if their many in their armonic it was also attempted in green in the source and course if image which he had become and course if image which he had been and assigned to be attempted in this minimal these it hear actual life. Considerations were added in its permanent in an attempt of our twofold nature and in the manife which is a first state of its being, he has effectimed in it. The first state of the change of his actual from a special framework.

our common earth; and the cause and nature of the discommotion and desolations, which ended the first-created of our terrestrial surface, as well as of its then existing plation, were laid before you with their connected circumstan some detail. The new order and constitution of mathings which were afterward established, and which have since been upseld, and under which we are now subsisteminated our proposed review of what it was expedients to recollect as to our external world.

Our attention was then more particularly directed to state and history of mankind after their renewal. separation into distinct nations and distant settlements A general sketch was drawn of the most celeb countries of the ancient world, and of some of the striking features of their habits and circumstances. transactions were not further described; but we proce to remark on some of those peculiar occurrences which accompanied the formation and fortunes of the Jewish p -a race of men with whose nation, and ancient history. writings the well-being of all human kind has been inse bly connected; and by whose future destinies it is still ! to be most essentially affected. All these topics were remains upon with an intention of tracing from them such in tions of the Divine system in the creation and govern both of material nature and of our human frame and l world, as were ascertainable in them.

As it was not my intention to compose a detailed histo raphy of the ancient world, the sketches which were d · of the nations that were noticed were confined to those eral outlines which served to illustrate the main purpo the work, and with these the former letters ended. the topics which were mentioned in the preface to the se volume, as those which it would be desirable to review. your present attention will be called. They are all sul of the Divine administration of human affairs, and form portant sections of the sacred history of our world; the late to the scheme and provisions which have been mad the diffusion and perpetuation of the human race, and for continual and sufficient support, and to the employment of men industry thence arising. They comprise the Divine for our social combinations and constitution; for our cir sugements and political relations; and for our mutual course both of amity and hostility. They will also lead us to trace the evolution and progress of our mental activities and improvements under the ordained system of our being, and the design and operation of this, with respect to our individval comfort, and for the general progression of human nature, as a favoured order of intellectual existence. Our task will be accomplished by an endeavour to glance, calmly and rationally, on those ulterior purposes of the Divine mind for which the system of our being has been so long upheld and carried on : and to the fulfilment of which mankind, in their various distributions, seem to be now advancing, with unequal step and in very diversified costume, but with an emulous acceleration in their most civilized societies which no

prior age has been known to display.

These subjects will embrace all that it will be necessary to lay before you for the guidance of your forming mind in its endeavours to understand the Divine government of the world we are born to. But I do not wish you to overvalue what I may send you; I seek for truth; I desire to state nothing but what is such, and will not write a sentence which I do not believe to be right and proper. But neither you nor I must forget that I may err without intending it. What I send you will therefore still be, as before, only my individual impressions and deductions, grounded always, or meant to be so, on appropriate facts, and carefully reasoned from; but not possessing any other character, nor pretending to be to you or to any a deciding authority. They will be the phenomena of my personal conviction, and, as such, a series of intellectual conclusions, to be added to those which other minds have formed, and to be taken into your consideration with them when you are thinking upon It is in this way that moral truth enlarges its dominion in the human mind. New thoughts are suggested and published, which others deliberate upon and adopt, reject or modify, as seems to them most fitting. All lasting opinions and belief are but the continued acquiescence of the greater number of those who have considered them, and concur in believing them to be just.

Individual conviction, as it accumulates in such spontaneous coincidence, seems to be the foundation on which our established truths permanently rest. But this can never be forced. It must be freely given to be enduring; it is always personal and peculiar; and is the result, in every one, of thoughts, feelings, inclinations, and circumstances, which do not exactly meet in any other. These variations make concurrence more difficult and uncertain—but what is true at last gradually obtains it—and the admitted fact or conclusion then becomes a

fixture in human knowledge.

To produce this individual conviction in favour of his own views and sentiments, every writer may justly aim; but, at i same time, be content with seeking to gain it by fair reason and correct statements, and never exact it, nor be dissatis or acrimonious towards those who may withhold it. us claims the liberty of judging for himself, without blame to the ideas of others, and must, in common equity, cone to them the same right of deciding on what he may expect What we retain in our own bosom remains of course our cluded property; but the very act of uttering it to others c veys a right to all who hear to admit or question it as the may deem proper. We have no title to command their quiescence in any human speculations, or to resent the doubt or disapprobation. With these sentiments the wree letters will be written and submitted to you; never meant be imperious—never claiming infallibility. If the lange seem at times positive, do not mistake that as intended to assuming or dictatorial. It is to be read as only express the strength of my individual conviction, and not as a p suming assertion that my conclusions must be right, nor reproach to any who may differ from me. It would be principled in me to write them if I did not believe them to just; but my belief is a law to no one else; and what phrases may be used, it will be always with the understan that they leave every one to the fair exertion of his own i ural right to dissent or agree, as his own judgment may termine, without any fetter or imputation whatever. ask you to receive my thoughts as not unwelcome visited to read them fairly as well as freely; to examine and the on them without prepossession, and with so much deliberation as their important subjects may reasonably claim. Search as obtain elsewhere what further knowledge or other views wi feel to be necessary for your final judgment upon them; hi to the remarks of those whose opinions you respect or wh you wish to consult, and then decide disinterestedly for you By this course I shall not be a cause of leading into error, and you will be taking the fittest human m avoid it.

LETTER II.

That our World has been made and is conducted on an intelligent Plan, and for intelligent Purposes, which we have the Capacity to discover and understand.

MY DEAR SON.

Our correspondence has been founded on the great principle that our earth and all its systems of living beings have been the creation of an intelligent Creator.

By that degree of intelligence which human nature possesses and everywhere exercises, we know what intelligence is is any being, and how it acts; and we can understand and sourceints what we perceive it to perform.

In human workmanship, we see the operation of intelligent beings with our rate of intelligence; and what we do as such assists us to discern and judge of the agency and effect of greater intelligence elsewhere. In the world we inhabit, we behold the works of intellect in its most perfect nature. But amid all its grandeur and inexpressible superiority in the productions which surround us, it still displays itself with so many resemblances and analogies to the qualities and operations of the mind which it has conferred upon man, that the agency of the Divine intelligence is never beyond our perception, and will always be a rational subject of our study. The success of the human intellect, in tracing it in its sublime arrangements of our material system, warrants the hope that the moral economy of our world may be in time discerned and developed, in all its wisdom and beauty, if we accustom curselves to meditate upon it, and persevere in the belief that it has been devised and established by the same intelligence which has framed and governs the laws and principles of the visible creation.

It is the nature of intelligence to devise before it makes, and to make according to its design. Hence, in our natural world, every part must have been put together according to the purposes of its producer's mind.

Its construction has been framed to execute these purposes

in their intended order and succession; and it follows from this, that all things which earth contains have been specially adjusted to effectuate the ends appointed at their creation; because, without a specific adjustment of their due means and causes, no specific effect can be educed—no end can be attained.

These principles apply as much to our moral as to our material world; for, if external nature has been formed upon a reasoned plan, we may be sure that what concerns life and sensibility must have been as intelligently arranged by an intelligent Creator, and with still greater precision and contrivance, if anything less than accuracy could be anywhere in the works of such a being, because, in addition to exactness of frame and careful adaptation to coexisting things, it would be necessary so to plan and adjust them as to suit the activities of the human mind, and not to agonize its sensibility.

A surprising degree of care and thought must have been exerted to make such diversified forms of living things as everywhere abound, and yet to cause the existence of each to be so comfortable to them, and the comforts of all to be so

harmonized as we find them universally to be.

If animal life required a well-conceived plan for its due subsistence and welfare, we cannot doubt that human nature has been the subject of a design as deliberate and kind; and if so, human affairs must have been arranged and provided for, and be always conducted upon a sagacious and well-adjusted plan, and for purposes worthy of the intelligence of a Creator, whose almightiness gave him perfect power and liberty to devise and execute whatever he thought proper. We act in this manner ourselves, with our inferior intellect. In all human workmanships and undertakings, we observe and use ourselves invariably forethought; plan; adjusted arrangement, and provided means to execute the design; a rational and attainable end in view; and a chosen process of operation to effect what is intended.

Plan and purpose, and a suited series of operations conformable to these, and successively conducing to promote and accomplish their prospective objects, accompany all human fabrications and pursuits; and for the plain reason that

the end desired cannot be attained without them.

Such are our cotton-mills and steam-engines; such are our military expeditions and commercial enterprises; such

are our literary compositions; such are all the beneficial employments of our social life. Plan and purpose; directing mind; a selected process, or connected and adapted series of means and movements, and an end continually m view. and pursued until it be accomplished, characterize all the varied business and manufactures of human society. This being our perpetual, and natural, and unavoidable practice, we may be sure that omnipotent wisdom is not less sagacious. or less active and provident. We may therefore adopt it as one of our safest and most certain deductions, that plan and purpose accompany, in every part, the Divine economy of human life; and that the habitual course and sequences. the laws and agencies which affect or govern human affairs, have been arranged and are constantly regulated so as to realize in due order the Divine intentions, and to be always promoting and contributing to produce his ulterior determinations.

It is with these plans and purposes that the sacred history of our social world is more immediately concerned: for its chief aim will always be to discern and describe them. It is indeed a subject to which no individual is competent to do justice. From their very nature; from the greatness and remoteness to us of the omniscient Director: from the invisibility and intangibility of the agencies by which his guidance and ruling interferences are carried on; and by the very netellectuality of the process he is pursuing, and of its effects; the delineations and history of his administration of our world, and the investigation of the plans he is executing by it, and of the purposes which they accomplish, must have difficulties, and darknesses, and perplexities peculiar to their recondite nature, and very often insurmountable by any one.

On these themes no one must expect the same success as attended Sir Isaac Newton's study of the grand physical agencies which unite the sun and planets into a sublime fraternity with our globe. It was finely said of him, by one who wasted a genius of much promise and power by perverse applications of it;

Whose eye could Nature's darkest veil pervade, And, sunlike, view the solitary maid, Pursue the wanderer through her secret mans, And o'er her labours dant a noontide blane."

But no brilliant result like this will vet reward our study of the moral and providential system by which human nature. and its operations, and concerns have been and continue to be regulated and carried on. Our attention has been, hitherto, too much directed to the perceptions of our material sense for our being yet able to explore, as we desire, what lies beyond it. The Divine is always the superhuman; and whatever is superhuman has been too much avoided and decried by philosophical inquirers to be at present understood as it ought to be. What is neglected is never much known: and what is little known is little valued, whatever its real excellence may be. Hence, although what is beyond the reach of our eyesight exists as certainly and as perpetually as what is within its compass, yet the science of the supernatural has been so depreciated and often contemned by those whose power of thought and wide range of knowledge might have thrown many rays of light upon its laws and operations, that we are still involved in as much ignorance and doubts concerning it as our ancestors under the Tudor reigns were of chymistry and electricity, and of the greatest truths of anatomy, and astronomy. We know as little of the moral philosophy of the universe, and of the Divine plans concerning it, as they did of fluxions, galvanism, and erostation.

But there is no just reason that we should continue in this hostility or indifference to it. We have been made canable of understanding it. The Deity has avowedly granted to us. in our divinely-originating and heaven-destined soul, such a participation of his moral and intellectual nature as to have attached to it the noble possibility of being his image and likeness. We must never forget this dignifying benediction. By this he has himself characterized our created nature, and he has signified his desire that we should regain this perfection; he invites us to pursue it; we are every year becoming more fit to do so, and it is not unreasonable to suppose that, the wiser we become, we shall more strongly feel that no inferior objects ought to prevent us from realizing such sublime anticipations. There is a spirit abroad which desifes to elevate the condition of human nature. There is a spreading impression that it is yet highly improvable. A progression in it which we cannot stop steadily advances, and urges all into the invisible current. There is a generous was bision in many of raising both their own mind and that of others to a nobler character, and of effecting this by increasing the moral influences upon the world. We may trace this in all the professions and in the educated classes; and in the diffusing desire of educating and of being educated. The individuals are becoming more numerous and decided in all stations who feel that the union of knowledge, virtue, and religion produces the most delightful and the most lasting enjoyment of which the human mind is susceptible; and that it is our most desirable, and will become our most valuable possession. They seek to acquire this for themselves. They recommend it to others. I read such effusions as these, to my own surprise, from the recollections of a very different spirit in my younger days, in our periodical works; and I rejoice to find that such a new sunshine of British mind has begun to illuminate our social horizon before the infirmities

of age and ailment have withdrawn me from it.

All such aspirations and intentions are indications that human nature has the capacity, as well as the desire, to comprehend and to appreciate its Maker's works and ways, and will endeavour to do so. Indeed, his past conduct towards us encourages us to hope that, in this path of study, the effort to trace his mind and meaning will accord with his own wishes, and receive his favouring aid. He must desire to be known by his human race as fully and as extendingly as they become qualified to do so. In all his communications to us, he has treated us as if we were able to understand him. He repeatedly calls upon us to acquire a knowledge of him; and declares that one of the later perfections of our ulterior posterity will be the enlarged and universal attainment of this intellectual progression. On every occasion which has been recorded in his revelations, we perceive a rational and moral being, reasoning as such on his own wishes and meaning. In this character and manner he repeatedly addresses his human race as those whom he has enabled and considers to be, or who ought to be and may be, rational and moral beings likewise. He imparts ideas from himself to us to become ideas in our mind, as if we were as capable of receiving them from him as from nature or each other. He gives us commands to understand as well as to obey. He pleads and expostulates with us, exhorts, entreats, counsels, urges, and persuades in the same manner and by the same means, that is, by intelligible and appropriated language, assuming frequently the phrases of the most impressive eloquence and the most convincing ratiocination—as the finest intellects which we are acquainted with in human society endeavour to interest and influence our is-

tellectual sympathies and faculties by such effusions.

The prophecies of Isaiah, delivered in his name, are splendid instances of such addresses. What, indeed, are all the discourses and lessons of that Great Instructer whom we most venerate, and by whom the human race has been most benefited, but so many communications and appeals from a Divine intelligence, breathing heavenly wisdom and goodness to creatures whom he had made to be intelligent, sensitive, and discerning likewise. He thinks and speaks like man talking to man, notwithstanding his exalted nature; and thus he manifests and acknowledges that degree of similitude between the human spirit and its Creator, in the intellectual capacity of our nature, which enables us, from what we experience in that to understand and know him; to comprehend his meaning in all that he expresses; to imbibe whatever knowledge he pleases to impart, and to think and reason justly about it. It is unfortunately true, that every one does not avail himself of this Divine capacity, which he inherits as his birthright when he begins to breathe and live; but all possess it from their Creator, and may nurse and train it into activity and improvement if they choose, or shall be actuated to do so.

There cannot, therefore, be any reasonable doubt that we are able to comprehend and to discern those plans and purpesses of our Creator in which we are concerned. Further than this, it is not necessary that we should be acquainted with them. But our external nature, our history and our current life should be viewed and studied with a constant recollection, with the perpetual impression, that Divine plans and purposes, specifically directed to them, preceded the beginning of all earthly things, and have been constantly regulating and accompanying them. From these all nature has originated; according to these every part has been created; and by these, in every age of our world, have its course and conduct been superintended

and governed.

But all plans are proportioned and adapted to their intended objects and ends. There are always the greater and the smaller; the general and the particular; the subordinate ones, and those which command and actuate them. With the mighty plan of universal creation we have, in this was

istence, no direct relation, nor with those of the s beyond our system. It is true that, as a part, hownaiderable, of the wonderful whole, we must be in ect affected by what affects that; and our astronoa suggested that the innumerable hosts of radiant ove us have, besides their separate and peculiar systems, some vast general movement, around some centralization, in the depths of unfathomed space. perceptible consequences flow from this to our orld or to its social constitution. Satisfied that sets are governed by plans which, though essential are not extended to us, beyond our general relations of distance, magnitude, and movement, our attennever be turned towards any other schemes and dethose which have operated on our nature and on while on it, most precious world; precious from and benefit to us, and probably not inferior, in the me we receive from it, to the comforts and advantage of our sister planets. There is a glorious future to those who may be admitted to it; but as that special kingdom, specially created for its immortalntants, it will probably be different from any that I cannot, therefore, avoid believing that we are it present in our minor globe as our fellow-creatures greater masses of Jupiter and Saturn. But be this our interests now are confined to our own earth. plans and purposes on which that has been formed. uch the economy of our social life is governed. articularly auxious that you should feel and believe son must have been made in all its parts upon an plan, by its intelligent Creator, and should always material nature and human history with this fixed a because both will be more instructive and useful you read and think upon them with this pervading or principle. You will then become more interested and cannot otherwise properly and sufficiently d either. Both will appear to you under very differand present very different prospects, and excite very houghts and feelings, according as you cherish or your meditations, this onlightening and directing will be an improving exercise of your discerning nd a constant pleasure to your local negligibilities, to his employment,

LETTER III.

On the Importance of Studying Nature and Human Life, with the belief that Device Plans and Purposes have always accompanied them.

MY DEAR SON.

If we adopt the principle that we are living in both a natural and a social system of things, which have been made on intelligent plans for intelligent purposes, we shall never theorize or think on either nature or life as if they were subsusting and moving without them, or could have originated in any other manner. Though we should be unable to trace them, yet the conviction that they are realities should never be absent from our minds; for as, when we can discern them, it will be our duty to reason conformably to them, so, when they buffle our present researches, we should still bear in mind that creation has nowhere existed without & reasoned design and a reasoning and directing government. If we follow the too common habit of thinking and acting upon the facts and laws of material nature and human life at if neither had been framed or was conducted on any intelharble plan, or for any rational and worthy purpose; as if all visible timings were subsisting and recurring solely by themselves, and left to themselves without design or object, and with no invisible superintendence; if we regard the phenomena of nature, and the great events of history or of individual biography, as more trains of unarranged, undirected, uncaused, or unconnected sequences, without any reason why they should be what they were, and succeed each other as they do, and without any assigned or connecting relation; destitute of all accompanying meaning, and occurring and changing by no rule or for any projected or pursued end:

If we thus estimate and regard the world we live in, and the course and state of things about us, we shall be perpetually misconceiving and misrepresenting them; we shall be narrowing and darkening our intellectual views, and shall keep away from our thoughts those truths which will most expand and improve them; which will ally them with gund ideas and elevated hopes; and, in every vicinitals that was

befall us, will always be a source of exhilaration and soothing comfort.*

I do not mean that we should be always painting or gilding our books of knowledge with religious vignettes or decorations for ornamental recommendations; nor edge our conversation or public discourses on art or science with such allusions for personal display or popular effect. It is not the phrase or the paragraph abstracted from the pervading mind and personal feeling which is valuable; for as these express no genuine conviction, they excite none. They are heard as rhetorical perorations, applauded, admired, and forgotten. The desirable requisite is, that these principles should be the silent and abiding, but over-living impressions and belief in our own individual mind. We should feel that in examining or experimenting on any object or department of nature we are investigating the productions of an intelligent Creator, which have design in every part. This idea should accompany us also with habitual conviction, as we contemplate the maps of recorded time in their historical lineaments and national relations

If we assume that, both in natural philosophy and civil history, we have before us the features and the outlines of the plans and purposes of the Former and Governor of all things, and are viewing in the observed and narrated results the evolutions and executions of his purposes, our knowledge will be kept in continual unison with him; and we shall then perceive meaning, wisdom, directing causation, connexions, relations, utilities, and accomplished ends, which are now but rarely adverted to or thought of.

That we know so little of them beyond our general and verbal acknowledgment is no proof that they are unknowable; but is rather the indication that they have not been a favourite study; for, in other pursuits, no failures prevent other exertions from being more successful. Nor is there a science now cultivated, except the geometrical ones, which

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^{*} When we read what philosophers abroad in our own times, and what some among ourselves, have started on the origin of things, we have reason to fear that, if the principle of an intelligent pian and correspondent creation be relinquished, we shall have our physiology deformed by absurdities as striking as these of Neocles, the Crotonian, whom Herodotus of Heracleum narrates to have maintained that women in the moon lay eggs, and that the men produced from them are five times the size of those on our earth.—Athen, Deipu., 1. 2, p. 51.

was not, both in the days of Aristotle and of Tacitus, in the same barren and, apparently, unimprovable condition. Neture was then everywhere an undeciphered mystery; and it was because it seemed useless to study it that Socrates called the attention of the inquisitive to moral and political discussion.*

The error of thinking and reasoning on the world we inhabit, without these views, will appear, if we consider how egregiously the young sailor would mislead himself if, on entering a ship of the line, on the commencement of his professional career, he did not consider it as having been built by skilful persons, working with acquired dexterity, according to well-formed plans; and framing every part with judgment, If. like some savages, he care, meaning, and purpose. should deem the noble vessel a living creature, moving from and having life in itself : or that it was some monstrous bird. with immense limbs and wings; or but a self-formed or casual meeting and cohesion of wandering particles; or the gradual growth of a fallen tree or of a little cance, by a slow enlargement during millions of ages, into its noble magnitude and stupendous complication: if he should surrender his mind to such fancies as these, and disbelieve that scientifis directors and able shipwrights had framed it purposely, how contemptuously should we deride or pity his ignorance! Though entering it with a knowledge that it was to sail, and, if necessary, to be used for battle, he would suppose its masts, canvass, and cannon to be the instruments for these services, vet how useless and unmeaning, in his first ignorance, would seem most of the numerous articles of the marnificent structure! They would appear to his apprehension more like encumbrances and confusion than essential parts of its serviceable mechanism, until he had gradually found out their uses, and learned to know that everything he saw had been devised and made with specific purposes for specific ends, which, whenever wanted, they accomplished. The he would understand that not a single rope or plank, not ever

^{*} If the sentiments of one of the seven sages had become universal how little should we have known of the laws of the planetary words Bion said that astronomers were most ridiculous persons (yelecorares;) for though they could not see the fish near the shores they were well ing by, they pretended to be able to know the things that were in the skies.—Stobenus, p. 465.

one peg or mail, had been put in unnecessarily, or without direct meaning, foreseeing intention, and sufficient reason. It is the same in the structure of nature and in the economy of life. Meaning, plan, purpose, and efficient execution everywhere pervade them.

As I do not desire you to believe this because I assert it, I will state to you the grounds on which I rest my own conviction of it; because, if your belief can be associated with your satisfied reason, it will always be the more intellectual and influential.

Nature, as a creation, can only be what the Disty has made it to be; and it is what it is, solely because he has chosen so to frame and to continue it. He therefore intended to make it what we perceive that it is, because it is not possible for any use to make without intending to do so. But making equally implies previous devising and purpose, and a particular design and purpose; for anything made might have been differently made, or not made at all. To be what it is, instead of heing anything else, it must therefore have been specially designed to be such, and that design must have been specially and accurately executed. But all special designs consist of plan and purpose, and, if executed, the execution is the representation—the realization of these in some percentible form.

It is of essential importance to us that our sentiments on this great subject should be correctly and early formed, for you will find that they will very much influence and colour your after life and mind. It is in the first part of our worldly career that we have most lenure to think, and, by education, are led to meditation and inquiry; we are then also most able and disposed to think and judge fairly. Right opinions are the elements of all true wisdom, and even of miral conduct Rectitude of mind and rectitude of action have a personal relation to each other, which is not easily shaken. Be right, therefore, in your conceptions and knowledge of your Creaton, as soon, as your can, that your mind may be settled on its proper basis and station for the remainder of your life.

There is a passing in Mr. H. Taylor's "Matesman" on the country job between virtue and wisdom that deserves a place in your memory.

"If there he in the character not only sense and soundness, but also striue of a high order, then, however little appearance, there may be of lines, a certain portion of wisdom may be relieft upon almost implicitly. "For the correspondences of guadance and wisdom are maintained, and they will accompany each other in to be informed, and only hereby.

LETTER IV.

The Plans of the Creator are adapted to the different Classes of I of which our World is composed.—The distinction of these into rial Substances, moving Powers, and living Beings.—The Plan the Human Race different from those of the Rest of Nature.

MY DEAR SON,

In considering the Divine plans as to our world, it is portant to observe the different classes of things which it prises, as each of these must have a design and a sy correspondent with their nature, and adapted to maintain continue it. It will be sufficient to sketch the outline of in the most general manner, as it is only with one depart of them that our present correspondence is particularly cerned.

Our world may be viewed as consisting of three ge classes of things, very dissimilar to each other, which we distinguish by the terms material substances, motive por and living principles or beings. Each of these has its plan laws, each has been formed upon a distinct plan each is used for purposes which only its own class can extuate.

To the latter, of course, the human race belong. But will glance slightly on the others, as we are always connewith them; and although each has its own appropriated yet they are all parts of the great stupendous whole, wour compartment of the universe comprises, and are ther subordinated to that grander plan by which every membour system is constantly regulated.

Matter is motionless in itself until moved by a m

men's wisdom makes them good, but also because their goodness I them wise.

[&]quot;Although simple goodness does not imply every sort of wisd unerringly implies some essential conditions of wisdom. It imp segative on folly, and an exercised judgment within such limits a ture shall have presented to the capacity.

[&]quot;Where virtue and extent of capacity are combined, there is in the highest windom; being that which includes the worldly weakle the spiritual."—Taylor's "The Statemens."

power additional and extrinsic to it. Of the motive powers which affect and regulate the material substances of nature, we know but little. We have attached various names to what we have remarked. We call them respectively attraction, gravitation, impulse, cohesion, affinities, magnetism, electricity, caloric, crystallization, polarization, and by some other denominations, all very useful in discriminating their phenomena, but explaining nothing of their nature.

These three great classes of subsisting things are probably everywhere in the universe; at least they so completely form the character of our world, that we can hardly conceive any other to be without them. Life, motion, and matter seem to

us indispensable to all created orbs of beings.

Motion has been thought by some to be inherent in matter; but this is very much like supposing that two vary dissimilar things, each independent of the other, are yet one and the same thing. It will be therefore more accurate to keep them apart, and to consider the motive powers as a distinct class in nature, of their own kind, though always combinable and usually combined with the two other orders we have specified—material substances and living beings. All the three are in frequent union together; but always separable, and frequently separating from each other. Each can be, and at times is, in the distinct and independent state, but always capable of resuming its connected condition. We see them about us perpetually in all these modes of subsistence.

The earth and stones we handle are material substances without life or motion; clouds are material particles united with some of the moving agencies. Trees, animals, and mankind are living beings, conjoined with material forms, and also with some of nature's motive energies. Within our system we likewise continually behold the phenomena of moving powers, without the addition of either life or matter, as well as in constant association with them. Light, heat, storm, and the electric fluid, whether as lightning or as magnetism, or in its other modifications, are familiar instances of subsisting realities, which we allow to be distinct from any living agency and from the material particles which they so strongly act upon.

The most splendid instances of moving powers, distinct as well from life as from the matter which they actuate, and operating in their own way, and according to their own laws

and nature, appear to us in the diurnal revolution of our earth, and in its annual, or rather continual, circuit with the other planets around our central sun. We perceive them also in the, at present, inexplicable visits of the cometary Some marvellous motive powers, two at least, the impelling and the gravitating, actuate each of these. Their movements are cognizable by our senses; and it is the glory of human nature, by its persevering observations and intense thinking, to have descried and described the laws of their motivity. But with the nature of the moving power. notwithstanding all the penetrating energy of our science, we are absolutely unacquainted. For impulse, expansion, attraction, gravitation, projectile force, and such like terms, are but words by which we ticket and catalogue the facts we so discriminate. They disclose no knowledge to us of the essential nature of the powers which they signalize. We not them as appropriated words, fully intelligible to others so far as they mark the phenomena they allude to; but they always denote unknown qualities or agencies, and do not impart any elucidating knowledge of what that reality is, whose effects our mathematicians and philosophers so correctly state, and have reasoned upon with such surprising sagacity. To them. for what they have done and are doing, we cannot be too grateful, or estimate too highly the intellectual ability which they display. I appreciate it so much, that it is quite sufficient to prove to me that the living principle in human neture has an independent thinking property, which ought never to be confounded with either motion or matter, or even with the other living principles that coexist with us on our terrestrial surface.

In our solid globe, if it be a compact series of masses, or in the solid rocks and strata which compose the globular superfices on which we walk and act, whatever be beneath them, our Creator has made and placed the compounded masses, which he designed should be permanent without either life or metion, in such order and shapes, and with such several compositions of substance, as his plan for its construction required.

With equal care and selecting power he has united the living principles which he has assigned to our earth with such diversified but specific and continued organic forms, as also suited his chosen designs, and which give to each that duration, and those enjoyments and sensations of conscious life, and that reproducing power, which he had determined they should respectively experience and possess. The motive powers which he has commanded to attend our glove, and to be associated with its diversified compartments, were selected by him, and were added to our world by the same judging skill with which everything connected with it has been made. Their force and energy peculiarly need plan and government; we may therefore be sure that their quantity, force, modulcations, continuity, positions, and laws, and course of movement, have been all, with careful which previously adjusted and apportioned to the fast of mature, and to the effects they were to produce; and the first of mature, and to the effects they were to produce; and the first of mature, and guided to do so, and are restrained from any short results.

When the material substances and the making powers were produced, and their arrangements and lass estate such. and the course of nature under takin operation, was serrical and put in action, the design of the Creater in the referencetion was so far completed. The system and the result is living organizations of that are being also although for the large in their several kinds. The to be always and my always various reproductions, the sonattle as to to make the oversumed to have been accountly by the reference to a solition laws of their existence feety we make as to be always and only what they are. Hence the different species of vegetables and animals are in an agree and hintetries substantially alike. The min in the Zon in a large dens resembles the hon that at seared in the amount water of Rome 1800 years agon come is still what it was it the hard of the Pharaohai, and the trees of the tresent forests are not dissimilar to those which sheltered but Anglia-Sauth arcestors.

The periodical returns of the cometa seem to the to show to be with what commanding and adjusted registerly the remediative near agrees of nature are governed by a directing intelligence, either in the recurrences indicate a secret plan of an amazing extent, we shown it the space it must embrace. To one come whether possible are asked at Sir Isaac Newton, who died in 1707 is sented by Wilston to large redicted the appearance of the corner of 1706 in As far as we account of the very first man, and mis a first respict measure where the return of a comet has been predicted reformant and mis actually 1000s ascording to that prediction. The Wilston's Asia Year.

But the human race is that order of living beings which has been created upon a different plan; and it is this sapointed difference which separates us from all other animals. Our bodies indeed are, like theirs, made upon an abiding system as to their external form and interior functions. since the deluge, the human figure, in its material structure and with its organizations, has never essentially varied. Colour and other accidents of the corporeal frame may vary, because many natural causes affect our skin and exterior anpearance; but the internal likeness is uniform and universal It is in our moral and intellectual natures, and in their changes, enlargements, sensibilities, powers, improvabilities, and destinations, that our dissimilitude to every other kind of living creatures particularly displays itself; and from these the sacred history of our species, and those branches of it which these letters will treat of, take their rise, and with these are perpetually connected. To the sacred history of man all the other classes of subsisting things on our earth are subordinate. In this the plan of the Creator as to our world seems to centre; and for the completion of his designs, with respect to the ulterior state of his human race. the present course of nature in our system may be supposed to be carried on.

LETTER V.

The Invisible Agencies as certain as the Material ones, both in Life and Nature.—The Divine Agencies are of this Character.—Change of the Divine Plan as to Human Population after the Deluge, and in the abbreviation of Life.

MY DEAR SON.

In the preceding remarks on the Divine creations I have directed your attention to human operations and fabrications, because they will give to your ideas on this mighty subject the most sensible and experimental realities to refer to and to rest upon. Nothing on earth so approaches the modus operandi, the forming agency by which the Deity has constructed and regulates all things, as human workmanship and govern

Mind acts in us as it appears to have acted in him; ng in us recembles thinking in him; our menner of or supresents to us the nature of his volition; and by at we contrive and do in the use of our intellectual powers. to may conceive how his sublime spirit has designed, and whe executes his designs. We can, in the same manner. for and perceive what is direction, guidence, and government by our own acts of this description. Even the invisa of his interferences and administrations are made inliable to us by our own. For the orders of our cabinets to of distant governors, as those of the imperial general to his thele and officers, act by invisible impulses and motivities. Their care hear the sound of words, or their eyes may trace the letters of the written despatch; but the effect of both, the inflaence, the power, the actuating cause which produces mir immediate and exact obedience, is entirely intellectual mi invisible.

It is the mind of the director, though hundreds or thousands of miles distant, which moves the mind of the directed and the cheying. Neither sees the other, nor the ruling impulse which the one transmits and the other receives and conforms to. The processe is one of the invisible intellectualities which the human faculties can put in action, and be conscious of and gov-

erned by.

Of this kind were the plans of Napoleon and Wellington in their several campaigns; unseen by any, intangible by themselves. They were ideal realities, putting in action all the material substances of cannon and warlike munitions; all the projectile forces and moving powers of their instruments of bettle, and all the living principles, both in animals and men, which they ordered to move and act, correspondently with their determined plans, to execute their determined purposes. The precisely-operating and unresisted power and motive infuence by which the natural qualities and spontaneous wills of their armies and implements of warfare were put into action, and controlled and regulated into the specific actions which were intended, and which were made to achieve the devised and appointed ends of the commanders, were nothing like objects of sight and contact. It was as invisible and as mtellectual as that Divine agency which guides and influences meterial nature and its moving powers; and which, in the same unseen manner, conducts its economy of human life, and all its particular interferences.

Our legislation is another instance of invisible, moral, salintellectual agency upon us, of the strongest and most commarking effect, by which our actions are continually governed. We see not the legal or political force which we obey. We belook only the instruments which execute it, or the profit words which relate to it. But the agency, which, if we resist, will put the whole society into operation against us, is an idea reality, existing in no particular place, confined to no station, yet pervading, superintending, and ruling the whole community in which we reside.

What thus occurs between man and man will serve to flustrate what is always taking place between us and Gel-His presence is everywhere in effect; his plans guide, his mind actuates, his will governs all things; his purpose limit and shape the course and results of all that he puts into movement; and yet all this agency, even in its most formalable impulses, as well as in its gentlest attraction, can be not ther seen, nor touched, nor subjected to any examination of set material sense.

It is as invisible and as wholly intellectual as the effect. our sensibility and rational spirit, of the departed post, estor, or historian. We read words which of themselves and but marks or scrawls, blackening the paper they are upon. R is the unseen genius of the writers which affects our through these, its petty instruments. It is invisible mind dressing invisible mind. The process and the operation are ideal, and by our organized senses imperceptible. The receilection of these, and of all effects analogous to these, will asable us to form a rational and comprehensible notion of the nature, mode of operation, and continual efficiency of the Divine agency, which guides and governs us, and which is continually executing the plans and purposes that have been determined on as to the economy of our human life. But while we use these illustrations, it is for us to bear continually in mind. that however assimilating such things be in the point of view in which they are here represented, yet all that is Divine rises above what is human with that immeasurable superiority which infinitude, and perfection, and eternity unceasingly confer.

In considering the plans and purposes of the Deity, we must make this distinction between them, that although both

tre what must be our inferences concerning them; yet the lat-ter will be always less to us than the former. The plan is devised to execute the purpose, and is continually displaying tastf in the process of the execution. But the purpose is Parely discernible until it has been accomplished; and is, even then, often a subject of difficult deduction; neither is written in the heavens, as none of the laws or agencies of nature are. Nothing but what is material is a subject of our senses; everything else is a perception or inference of our understanding, but it is not less certain. What, indeed, is senation itself but an intellectual consciousness ! It differs only in its cause ; we feel the effect, but from that alone do not know the cause. We use our understanding to perceive by what the interior emotion has been produced, and we ascribe it to one external object rather than to another by the decisfon of our judgment. We discern by this the real exterior thing which has affected us. This is an inference of our judgment, and thus our knowledge of natural and visible, as well as of intellectual and invisible things, always grises from the perceptions and inferences of our mental faculty. are right in our opinions when our intellectual inferences are right; and not more so in our sensations than in our refleces and reasonings. It is the character of our knowledge in Il things to be the inferences and judgment of our intellect. If you speak to me, it is this reasoning and judgment, trained by former experience, which lead me to conclude that the voice comes from you, and not from the chair or table; or then I hear the robin sing, that it issues from the bird instead of the tree he sits upon.

Our inferences as to plans and purposes are as much true knowledge and certainties as those we derive from our senses; is either case are they such, unless justly made. In both, we must learn to observe accurately, reason properly, and judge soundly. The conclusion, then, becomes a positive trath; as surely in what we can perceive only by the intellect as in what we behold and handle. We are frequently earing in our decisions on the experience of our senses, and still oftener differ from others in the information they convey. Sense is, therefore, not a more certain guide to truth than sound intellect, for it is this which is our real teacher and

director in everything we know.

On this reasoning the invisibilities of our world and of the

universe, where they are in existence, and become descried and are rightly inferred and stated by our investigating mind are as certain and as true to us as every material thing which we hear and look at. It is not the bodily organ, but the mind which, in our sensorial impressions, perceives, feels, learns, compares, judges, and knows. The nervous organization in but an optical tube which it uses in sight; or an acoustic instrument, which collects for it the vibrations of the sonorces fluid when it hears; or the numerous implements into which it converts its fingers when it handles and operates by their agency. It is our intellectual principle which, in all the effects that we call sensations, is the acting, feeling, moving, perceiving, and knowing power. The invisible things of nature are thus as cognizable by us as the visible, though not so soon or They require a cultivated mind, exercised on such subjects in proportion to their difficulty and remoteness; and this is necessary in all our recondite studies.

The more you observe the statements and arguments of those who exclude a Deity from nature and disbelieve a creation, the more useful you will find it to be to recollect and apply the ideas here suggested. These writers are strenuous to banish from the mind whatever their senses cannot examine, on the fallacious theory that nothing else is existing.

On the topics which we will proceed to consider, we will first collect from history and nature the main facts which mark the plan and system of our Creator with respect to the subjects of our inquiry, and trace such laws and principles concerning them as we may be able to discern; and then attempt to infer the purposes for which they have been established.

The POPULATION of our world will naturally be the first object of our attention, as it is the basis and material of all our other subjects. The circumstances which have actually taken place enable us to notice the outlines of the plan which comprehended them.

Intending at some period of his eternity to have a human race in his universe, the Deity chose to make our terrestrial globe for their present residence, and to place this, with the associated planets, under the influence of a central sun, in that compartment of unbounded space which our system occupies. In what portion of the wonderful whole we are situated, we know not, and have no means of ascertaining.

numerable bodies effuse radiances of light slove and about us. which induce us to consider them to be material aum, milateited by living beings. The analogy to persuasive and satufactory; but our opinions about them can only be seemale. tions, as we have nothing but the lucid similarity to recorn from ; and comets possess their degree of this quality, and yet are so unsubstantial, that the stars they cover can be seen through the centralized nucleus of several which have entered our planetary area. We know not whether we are gliding in the middle of a living universe or in a corner; or whather our population is or is not the chief, or the univ intelliment beings which our solar system contains. It is most probable that we are not the exclusive vitalities which have a fliving intellect as their distinguishing property; but it is not cartain. We have not the least information whither our departing spirit is removed to, or whether Venus, Mars, and the Moon, whose material masses seem most to resemble our own, receive it as their juhabitant, or have original normalations of their own. In the absence of all solid grounds of judgment, conjecture would be minleading, and it is better to leave the question in its natural uncertainty. The safest famey would be to suppose that each has a poculiar population suited to it, said therefore not so suited to any other. This must be as much the case with ourselves as with them; only, as the operation of death manifestly and universally takes us away, our living principles, which mere accuration from the body cannot dostroy, must go somewhere. The ancient Christian fathers disposed of our disimbodied souls by conveying them into the central regions of our earth; but as our present geologists make that a red hot, or molten mass of fiery matter, any other location of them, while that hypothesis lasts, will be a preferable supposition.

Our Creator began mankind by the pair whom he placed a while in Paradise; but on their determination to do what pleased themselves instead of obeying him, he transferred them to the general surface. On this their posterity multiplied, and continued the disobedience, until the increasing perversity disordered their social communities with universal corruption and violence. This state was so much at variance with his wishes, and with his purposes in their existence, as to make it necessary, in his consideration, and according to his plans for this order of his living beings, that they should

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all be removed at once and together, instead of dying off, as they would otherwise have done, gradually and successively. while a young race was rising up among them. The overwhelming deluge we formerly considered executed this ordainment on all but that single family, who were preserved to begin a new series of population of the earth, with laws and under circumstances very different from the anteceding ones. The sudden removal of all but this favoured fragment allowed the first generations to grow up without the deteriorations they would have imbibed from the degeneracy of their predecessors. Their future errors and transgressions would, by this plan and its execution, originate from themselves. as they would have their immediate parents only before them for their educating models, and these had been selected for preservation because they were the children of a moralized and pious father.

That the renewed population might not become the same kind of evil beings as that which had been taken away by the simultaneous death, He placed it and all earthly nature under new laws and circumstances, by which human society. ever since, has been materially affected. He produced a new surface on the earth, from the dissolution, fractures, dislocations, torrents, subsidencies, and devastations of the old one; burying, amid the convulsions and changes of both land and waters, which accompanied the tremendous yet governed catastrophe, vast portions of ancient vegetation and of animal races: most of these being suited to the preceding state of things, and not continued into the present one, of which they were less fitting. He abridged, also, the life of man to one tenth or twelfth of its anterior duration-an alteration which made a recurrence of the former state of human society impossible, and which has caused it to contain a very different species of human creatures from the antediluvian race.

Our present population thus began under new laws of life and death, and on the principle thereby of being a succession of shortlived generations. The former plan, of a continuous individual for eight or nine hundred years' duration, had been tried, until it had prevailed so long as to prove to their posterity that the first stages of a human being's existence were not able to receive such a lengthened vitality beneficially to themselves.

Every day that I look around me, or peruse the annals of

bustory, I feel the weekens and the messesty of this change secure you that I cannot exmectantionally may of any malityed. and that have beginsed on the human world, that it would have have advantageonic, althor to themselves or to the commitmity. that they should have the langevity of a Methanishi, will could may the yest embured in much a michial test expetence on our earth, unless their wiedons and their virtue, their side! fortund attainments and their practical use of them; their add percentaged, famility, perdieness, and pintanthropy inserved and undergod as their years were multiplied. But horn very rule in it to find any con, who lives on the linwould remain the a sel constituted well employed upon will require upon. tomorroad featings, and attendume to chiurs, mental within tone and enlargement, with adequate duty, gratitude, and inveto has gargatual benefutor! The common experience in that more attain improvements to a certain extent, but adroces for factors. Self includes one they taken the least and "To mayor life for its gestilies. to the little bear and the topen and to be natiafied with the marken an they are, in the geragal emitted for and insultate, and from that time they reman anema atalonusty in their monal and misclesting percent by on teary determinate. Certainly the lengthening of the Constant we community the tenne the great qualities in milities of the individual, in merchale in remove his implement in inpresent and a new terms line in to be being that it months be never harade to me any to calmed one means containe or grand that finite one on one hundred years, by which, in its presidest procession, it is penerally conduced. It appears at least to to no militarists with a new comment general percentions, mail they are that the cibies present with a series of extending graphical rates, agree whiting and incitinglying everywhere, and with that progress on of homes nature which has believed proconduct come from them there that have known up than from traction in tracy have emerged from . It is enlightening to our west reviewd in the spetch of great languarty was treed. my it has been an advantage to button happiness, and to the gradical improvement of human nature, that it was not contin-Indicade if I had the prince of minorial engine, contemperate a and myself at the members on the present carrie. I would not don't . I like, and extern, and admire them very man, on the whole, as they are , but as I wish teat their and moved to be more beller than we are I would not you are an eternity to our social world, in its present character and condition: for that would be an eternal perpetuation of failings. errors, vices, ignorance, defective judgment, violent prejudices, wrong habits, and much obliquity of acting mind and personal temper, all of which I should rejoice to see sheers both from myself and my coexisting fellow-creatures, and which, I believe, will diminish in our succeeding generations. At present, it is certainly best that such an extremely small number reach or pass beyond a century in the state in which human nature appears in our present world. What human violence can do and will do, we see in the regions where the lawless and the bandit prevail, and in the cities and countries where persecutions or reigns of terror are established. What human corruption can sink to is too disgusting to be described or thought of. The cessation of antediluvian longerity lessens the duration and the evils, and intercepts the progress of both these calamities.

Let us now contemplate the scheme and laws of our population which have been established, and endeavour to ascentain those which are really operating, and avoid the miscenceptions of them which have erromeously been circulated.

LETTER VI.

Statement of the Theory of Mr. Malthus on Population.—Observations upon it.—Mr. Sadler's contrary Views.

My DEAR SON,

Near the beginning of the present century, Mr. Malthus excited a great sensation in the public mind by suggesting, and afterward by more elaborately maintaining, an idea not wholly new, but, though surmised by others, very little attended to before, on the subject of human population.* This

* "The existence of this principle was first remarked by political coestnessis in the concluding half of the last century; and allusions to it may be found in the writings of Wallace, Hume, Franklin, Smith, and particularly of Mr. Townsend."—Bishop J. B. Summer's "Records of Creation," vol. ii., p. 102. To these names may be added that of Arthur Foung.

was "the constant tendency in all animated life to increase beyond the neurishment prepared for it." In his work on bonulation he proposed, as the first point of "our inquiry concerning the improvement of society, to investigate the causes which have hitherto impeded the progress of mankind towards happiness." He represented this supposed tendency to be one of the chief of those causes which obstruct human shorty, and as a cause combined with our nature, and always seting strongly on society. I but acting so unfortunately as to eccasion very largely the evils we most lament.6 He prosounced unequivocally this tendency to be a perpetual tendency to increase our population in a geometrical ratio, or to double in every twenty-five years. I while the means of our subantence were strictly limited to an arithmetical augmentation only. The consequence of this surprising difference, thus alleged to be established in nature between the rates at which our numbers and our food respectively multiply, becomes, on his own statement, frightfully appalling. In three centuries the food will not suffice for a three-hundredth part of the population to which, according to these pretended laws, the human race would, in that space, at any period or region of the world, amount. * On this hypothesis it would have been

[&]quot; Maithua's " Resay on the Principle of Population," 4th ed., vol. i., p. 2. It was first published in 1798, suggested by a paper in Mr. Godwin's Inquirer. - Ib., preface.

[†] Malth , p. 1.

I "The principal object of the present easily is to examine the effect of one great cause intimately united with the very nature of man, which has been constantly and powerfully operating since the commencement of society," p. S. "The cause to which I allude is the constant tendency in all animated life to increase beyond the nourishment prepared for R " D

^{6 &}quot; The natural and necessary effects have been almost totally overlooked; though probably among these effects may be reckoned a very considerable proportion of that vice and misery, and of that unequal distribution of the bounties of nature, which it has been the uncersing object of the enlightened philanthropist in all ages to correct."-Maith.,

object of the enlightened puranturopes in an agree version, p. 2.

ii "it may asfely be pronounced, therefore, that population, when unchecked, guess on doubling every 25 years, or increases in a geometrical ratio," p. 8.

A thousand millions are just as easily doubled every 25 years by the power of population as 1,000.". - Maithes, ib., p. 8.

"i' it may fairly be pronounced, therefore, that, considering the present average of the earth, the means of subsistence, under circumstances the smoot favourable to human industry, could not peasibly be made to increase faster than an arithmetical ratio."—Maith., p. 13.

"" "supposing the present population equal to one thousand millions."

impossible for mankind to last even 200 years from their besinning, unless destructive checks were at all times extingting it, at a rate so rapid and so enormous as to allow only 13 nersons to be alive out of every 4.096, who, if the course of nature should be left unrepressed, were certain to be been in 300 years.

But even this incomprehensible disproportion and devastation, which are calculated on the assumed doubling in every twenty-five years, do not express the full operation of these fatal laws of reproducing nature, as Mr. Malthus interprets them; for he declares that population has doubled itself in fifteen years: and not perceiving the physical impossibility of such a multiplication, he has allowed himself to imagine that a still greater augmentation might accrue, † if Indiana and uncleared ground were not to interfere with it : 1 not observing that, to enable any population so to double themselves every fifteen years or less, infants and children must become perents.6

The mind startles at statements like these, so extraordinary in themselves, and so melancholy in their results; and with perplexing wonder would reasonably ask, "Can such things be !" They are so incongruous with the science and hearty of the natural creation in other respects, that they would seem certain of provoking immediate disbelief; but they were put with so much ingenuity, and their novelty was so striking. that they obtained the assent of many able and excellent men.

the human species would increase as the numbers 1, 2, 4, 8, 16, 22, 8, 128, 256; and subsistence as 1, 2, 3, 4, 5, 6, 7, 8, 9.

"In two centuries the population would be to the means of subsistence as 556 to 9; in three centuries, as 4,005 to 13; and in 2,000 years the difference would be almost incalculable."—Maith., p. 13.

[&]quot; In the back cottlements, where the sole employment is agriculture, and victors customs and unwholescens occupations are little knews, the population has been found to double itself in aftern years."—Math.,

vol. 1., p. 7.

† "Even this extraordinary rate of increase is probably short of the

most power of population."—Ib.

The severe labour is requisite to clear a freeh country; such airactions are not, in general, considered as particularly healthy, and the manhitumes are probably occasionally subject to the incursions of the Endiane, which may destroy some lives, er, at any rate, diminish the fruits of their industry."—Ib.

[§] In bilindaces to the personal impossibility, it seems that another able man has gone rather greater lengths in his conjecture. "Sir William Patty supposes a doubling possible in so short a time on ten years." Fal. Maith., p. 7.

who, looking only at his arguments and instances, taking these for granted, and not searching beyond them with an enlarged and impartial investigation for themselves, too hastily admitted his principles to be true. They endeavoured, with high and laudable purposes, to show that they were even with in their design and beneficial in their operation; others, taking a different view of their effects, espoused them with a very contrary spirit; and their general effect has been unfavourable to our philanthropic sympathies for the larger mass, of which every community consists.

The prospects to society presented by these tenets were little else than increasing and unrelievable wretchedness and depravation to every future generation; unless mankind desisted from subsequent reproduction, or unless a portion only were allowed by the great majority of the rest to be the sois parents of every community—a portion which the geometrical law would be every year requiring to be made smaller. Policy and benevolence might ponder in vain for any other remody.

The author unhesitatingly assured us that this overwhelming tendency of population to outrun its producible food in this formidable disproportion could be counteracted only by adequate checks, preventive or positive. These checks were acknowledged to be those of vice and misery, unless maintend would impose upon themselves, perseveringly, the moral restraint of abstaining from the connubial association.* But even this abstinence, if submitted to. Mr. Malthus allowed would also produce vice, while it would be murmured at as an evil by those who were compelled to practice it.? Mel-

^{*} Summer's "Records of the Creation." part. ii., ch. 5 and 6.

^{† &}quot;On examining these obstacles to the increase of population, which I have classed under the heads of preventive and positive checks, it will appear that they are ALL resolvable into moral restraint, vice, and salesey "—Maith., p. 19.

[&]quot;The checks which repress the superior power of population, and the The checks which repress the superior power of population, and be into moral restraint, vice, and masery."—Ib., p. 29 and p. 579.

 [&]quot;If he attends to this natural suggestion, the restriction too frequently produces vice. If he hear it not, the human race will be constantly endeavouring to increase beyond the means of subaissees.

stantly endeavouring to increase beyond the means of subsistence.

"This difficulty (of acquiring food) must fall somewhere, and mean necessarily be severely felt in some or other of the various fortun of minery, or the fear of minery, by a large portion of manhimal."—Its., vol. 1, p. 4.

ancholy dilemma! What a sad alternative, if the system had

been a verified hypothesis!

On such views, marriage, although the appointed source of the continuation of the human race on earth, and their most universal and improving cause of happiness, becomes the means of accelerating general misery and depravity, and involves every one who enters into the state in the personal criminality of assisting to produce such evils; for nature and its Author give no right to any one to marry more than saother, nor have authorized any to say, "You shall live single that I may wed." There is no charter or law from Heaven for wealth or property to produce the new generations that are still ordained to succeed, and no command for poverty to remain in unoffending celibacy; all have the same natural right and liberty to unite or not in wedlock, as they may prefer. Hence, if this system were the true one, the man of property sine as much by marrying as the man of none; for as it is the progeny which is the evil, whoever has the offspring, whether rich or poor, becomes the criminal producer of the mischief, by the addition he makes to the human race. In these new instruments of multiplication, who will in their turn follow his example, he contributes to ensure to society an accompanying succession of vice and misery. Mr. Malthus declares explicitly that the principle which keeps his overwhelming law of geometrical multiplication on a level with subsistence is "the grinding law of necessity, misery, and the fear of misery."* He charges the very system of nature and man with the imputation of being thus constituted.†

The theory of Mr. Malthus was contested by several, but

mankind, they are, in reality, light and superficial in comparison wi those deeper-scated causes of evil which result from the laws of man

and the passions of mankind."-Ib., p. M.

^{*} Malth., vol. ii., p. 24. He repeats this sentiment as his own deliber ate view of his system. "It is a perfectly just observation of Mr. God win, that there is a principle in human society by which population is perpetually kept down to the level of the means of subsistence. The acts question is, what is this principle? Is it some obscure cause? Is it some mysterious interference of Heaven? Or is it a cause which has constantly been observed to operate, though with varied force, in every state in which man has been placed! Is IT NOT MISERY, and the for of misery, the necessary and inevitable results of the Laws of NATURE, which human institutions have tended considerably to mitigate, though they can never remove?"—Math., vol. ii., p. 35.

† "The truth is, that, though human institutions appear to be, and indeed eften are, the obvious and obtrasive causes of much miscaled to

must nowerfully by his ablest and latest antagonist, Mr. Sudler, who rightly attacked the assumed principle itself. Thus rentleman demed the natural law to be as it had been stated.* He mested on the erroneousness of the supposed facts and deductions relative to the States of America, on which the remetric theory was founded, fund entered into much detail on the entirettions to North America, which had so much contributed to enlarge its population, I and which Mr. Malthua had not adequately committeed, but had greatly underrated. Mr Sadler then stated at length his own views of the actual law of population, and comounly discussed several important there and circumstances by which it was illustrated of His work was too digressive and diffuse, and wanted selection and concentration, with some corrections. It was rather a series of effusions, without due order and connexion, than a welldevoted treatise; but it was written with right, though warm leshings, and on just principles. It shook with great force the mistaken system it opposed, suggested many valuable Mess, and led the majurer to more enlarged views and to wander reasoning on a subject which is becoming every day more important in every country to be accurately understood if

It would be unjust to depreciate the intentions or the ability of Mr. Maithus. He brought forward his theory expressly to counterset some permicious extravagances of Mr. Godwin, whose "Political Justice" made for a time nearly as great

Heman increase, under the most favourable circumstances for its development, does not proceed in a geometrical ratio, but is constantly regulated on a totally different principle." Madier's "Law of Popul," vol. 1, p. 01.

¹ lt., p. 401.

1 lt., p. 401.

1 lt., p. 401.

1 lt., p. 401.

2 What I presume to call the law of population may be thus birdly suscerated. The prolificious of launan beings, other was similarly or cusatanced, warter inversely as their number, vol. 1, p. 302.

1 liuman lenge increase in a different proportion, and one which is constantly regulated by their coexisting numbers, vol. 1, p. 103. He then makes and states various tables from the population of several countries to prove his law, and reasons largely on many topics which he considers as cascurring to establish it. 10, p. 472-612. He second volume is accordant to allow that the periods of displication assigned by the anni populationists. as those in which markind would increase, if unconnected, are in every instance, and under the most favourable circumstance, impossibilities, vol. 1, p. 430.

[!] He truly and, "the whole system of population is under the uncasing direction of the Berry, either through the operation of these wasolary ensures resulting from his elemal prescience, or from his perpeteary superintending Providence," vol. 11, p. 221.

an impression as the publication of Mr. Malthus, and who meant to subvert some of the most established truths in both religion and morality. Dr. Parr and Sir James Mackintosh vigorously attacked him; * and to overthrow one of his dogmas, the natural, and self-producible, and advancing perfectibility of the human being, Mr. Malthus produced the contrary hypothesis, that this perfection was impossible, because society had, in this ever-acting law of its population, a continual principle of degradation, misery, and vice. Eager to vanquish his adversary, he did not at first perceive the consequences that would be deduced from the doctrine which he used as his victorious weapon; and when these began to appear he had become too fond of it, and he found it too much applauded by others to believe it to be defective or injurious. It must also be stated, that the advocates for his new-started theory have comprised men that have been eminent both for knowledge and philanthrophy. It has still many patrons, who think that, by upholding and applying it, they are rendering much service to mankind. I respect their motives and their characters; and have only the same desire of truth which actuates them, when I express in these letters the thoughts and circumstances which have led me to the conclusion, that the Malthusian hypothesis is unfounded in fact, and therefore a fallacious misconception. †

* It was in his celebrated lectures that Sir James attacked Mr. Gelwin's doctrines. "He now came forward to defend the very foundations of society against the fury of a wild enthusiasm which usurped the name of reason."-Memoirs of his Life, vel. i., p. 110. On these exertions Mr. Haclitt says, "The modern philosophy, counterscarp, outworks, classic and all, fell without a blow, by the whilf and wind of his fell doctries as if it had been a pack of cards."—Ib. Sir James afterward acknowledge. edged, with a kind candour, that he had been too strong in his language "I condemn myself for contributing to any clament on this occasion against philesophical speculations."-Ib., p. 134.

The ability with which Mr. Malthus urged his opinions for a little while impressed me in his favour; but its manifest incompatibility with the wisdom and beauty of the natural creation, and with what I could discern of the economy of human life in other respects, gradually inclined me to the belief that it was a fallacy. Further thought increased this feeling, but I had not leisure to make the investigations which were necessary for a fair judgment. In this state of mind, Mr. Sadler's book roused me to examine the question as fully as I could, for my own information, by independent researches, additional to his, but I was benefited by his reasonings and statements. What was thus begun for my own satisfaction my present work made it a duty to continue, in order to ascertain what was the exact truth on the subject; my inquiry ended in the rewite which I will proceed to specify.

LETTER VII.

No visible or necessary Connesson in Neture between Population and Vegetation.—Their relation is Intellectual and Artificus! or immed from the Plan and Mind of the Creater.—America no support to the Mathusian Ratio.—Countries resorted to by forming onto, or color god by Conquest, no Authority for the Lause of Natural Population.—Instances of this in Canada and Russia.

MY DEAR SON,

The questions of population and subsistence have been generally intermingled in the discussions about entier; but to understand them accurately, as natural results proceeding from the natural laws which have been appointed to produce them, it will be better to consider them separately. They originate from very distinct processes in nature, and under very different laws, although both are meant to have a pernetual relation and alliance with each other. But they are not visibly connected together, more than the metal with the grain, or the bird with the cattle. Their association is a mental conception of the Creator, and likewise in us and in his animal creation. No tangible links unite us with our food or pull us to it. This is made and intended for our sustenance: but we, like all that use it, have to learn its use: to search and to find out what we are to eat, and, from the experience of the necessity and benefit, to establish a continual relation with it.

Independent of the original relation formed in our Creator's mind in his plan of our creation, and independent of the subsequent connexion which mankind, as they gradually discovered the use, have established between themselves and all the means of subsistence which they have found to be provided for them, there is no positive connexion in nature between animal life and the materials of its sustenance.

The corn and grass grow, whether men, sheep, or cattle are or are not in their vicinity; and animals multiply from their own bodies, under laws and circumstances quite dissumilar to those of veretable reproduction.

This fact is another indication of an intellectual creation;

for if the provision had not been devised by the same which produced animal life, and so formed that it also have the relation and use to animal life which it has be found to possess, no such relation would have existed in mture, or have been discoverable or applicable by any ani beings for their nutriment. The origin, process, and mas forms and substances of vegetables and animals be tirely different from each other, and independent of a other, and the plant being so wholly unconnected with animals as to flourish most abundantly where they are abou the relation between these two kingdoms of organic could not have existed except from the plan, and in the m and by the consequential operations of a thinking and adi ing Maker. There are, accordingly, no relations of the sort between us and anything else in our world. The the earth, the iron, and the crystal are not convertible is subsistence for us, because no relation of that sort was a part of our Great Author's designings, or has been as lished by him. Thus the relation between us and our fa proves itself to have originated entirely from his concenti and will.

Our reason may rest with the satisfaction of certainty on this conclusion; for if anything can have been planned and superintended, or be a subject of the care, direction, and assisting government of its creator in human affairs, what can we more rationally assume to be so than our population and our subsistence!

It is daily essential to us that these should be duly adjusted, as life on earth has been framed on a subsisting and agmenting system. The coincidence between our food and ear multiplication must be, therefore, an object of the continued attention of our wise and benign Sovereign, till he intends that no more human beings shall be born. Whenever he reaches this point of his arranged plan, we may be sure that he will signify it to us by some direct annunciation; more especially as such a revolution in human nature will be the precursor to those awful changes and consequences which may be expected to arrive in that period when "Time shall be no more."

At present we have the evidence of nearly 6,000 years that he has never failed to keep our coexisting numbers and our sufficient subsistence in mutual fitness to each other.

Never has nature become incompetent to supply the largest number of inhabitants which, during this long lapse of time. have been contemporaries of each other. Never have more human beings been on the earth than that earth, wherever day cultivated by them, has always supplied-always, for if the harvests fail in one place, they abound in another, as in the present year. America, that usually seeks to pour her experances of produce into Europe, is now drawing from Europe the supply which a temporary deficiency of her last season occasions her to require. So Russia last year, and Ireland occasionally; at times also part of India. Buch vicisatudes only promote the intercourse and friendship of mankind with each other, and teach even distant and the most hostile nations the great lesson, which the smallest society feels, and which every individual should remember, that we all need each other's aid and interchanged attentions, and are framed to do so; and that this kind necessity is kept in frequent operation upon us, that we may never forget that we are by nature, and in our relation with our Creator, all brethren-all the children of one universal Father; and that it is his desire and system of our being that we should always feel and act as such whenever we are together. On no other principle could a heaven be a heaven, or any human being become fit to reside in one. On this principle, if it steadily actusted us all, our present earth would, in no long time, be a celestal prelude to that concentration of glory and fehrity which will distinguish the promised kingdom that is offered to us now, if we choose to use the explained means of securing it; but which it is left at our present option to avoid and lose, if we prefer to exist elsewhere.

In all our discussions on the laws and effects of population, we should have the principle of the Divine superintendence efficiently in our recollection; because we shall not then be hasty or eager to adopt any theory that is incompatible with it. It is our duty always to desire, and only to value the real truth, whatever that be; but until we have fully explored this invaluable jewel, and with the same exactness with which we pursue our philosophical demonstrations, the principle that both our increase and our subsistence occur under the government, and according to the regulations of a presiding and

conscious Deity, will preserve us from those unmanly faces and gloomy prospects of society on which even our legislators have been solicited to act. Such alarms and excitations are irrational in all who believe in an intelligent Creator: most unjust to him, after the abundant testimonies which he has given to us, in his splendid and beautiful works, and personally to ourselves, in our individual life, of his guardian wisdom and goodness; and not a little dangerous, unfriendly, and prejudicial to those who will always be the majority of all communities, and who, like the great rocks and masses of our globe, are the foundation supports of all that are above them, and the human producers of all the conveniences and gratifications by which every class is gladdened. Most of these were not on our earth till enlarging numbers made the arms that provide them, and gave the stimulus to the human mind to be thus inventive and creative for the general good.

Let us, then, regard the system of our population as a part of the Divine plan, which has its own objects as well as its own laws, and is as much insulated by these from all other living beings as it is from the material substances and moving powers about it. All such things are materials, and assistants. and instruments, and means which human beings are to use for their benefit and actions in their earthly life. But our population is not multiplied for any of the ends and purposes which attach to other objects on our surface. Our mental capacity, notwithstanding its similarities to its inferiors, is, in all its greater powers, universally superior to every other living principle on earth. With this, the laws and system of our population are chiefly connected. All that is bodily to us has been framed to be within our material substance, solely to compose and support a mechanism for our intellectual self to employ and act with. Population should therefore never be considered as a physical question only; it is always a moral, a political, and an intellectual one. Its scheme, laws, purposes, and conduct have always this reference in our Creator's plan. It has been made to resemble animal life in the mode and causes of birth: but from this moment its similitude diminishes, and, in most things, ceases; and all that is different after its birth begins with its first infant cry, and continues to enlarge into essential diversities, except in its system of feeding, respiration, circulation, and such like functions, as long as it exists in its present earthly consciousness. Death comes at last with its closing assimilation; but even this community of likeness is confined to our material substance. That decomposes into the gases and dustlike particles which constituted its visible figure, as every other animal frame dissolves; but the taught, and trained, and thinking, and feeling soul passes into a state which nothing below itself can experience, because nothing else can be what at was m ats intellectual nature when it commenced its human life, nor what it has become by the time when this discontinues. With all the spiritual results of this stage of our being, our population is connected; for in its individualities it comprises them, and will always consist of them, in addition to its original vitables and capacity. It is therefore a small view and a one idea to suppose that it has no laws or objects attached to it but those which concern its animal producibility. Yet, looking for a moment only at these, I am fully satisfied that they have been misconceived and misstated.

The founding error of the theory of Mr. Malthus was, that he made the population of North America, as its numbers were exhibited at various successive periods of increase, the basis of his supposed law of the geometrical multiplication. It is the fact that the numbers of persons living in the United States, at the successive periods of their enumeration, display, when compared together, an unusual augmentation. From such appearances, before 1798, Mr. Malthus was led to say, "in the northern states of America the population has been found to double itself, for above a century and a half successively, in less than in each period of 25 years."! did not duly consider that continual streams of emigration had been pouring into this continent at various intervals

						Gen. Viev	yo v	bouau	81	1810s, 52-5B.
		- (Free co	doure	d	319,570	5)		_	
5th, in	1830 .		Black			2,009,050		•	•	12,858,670
•		(White			10,530,044				
4th, in	1820		•							9,638,166
3d, in		•	•			•			•	7,239,903
2d, in					•			•	٠	5,309,758
1st, in										3,929.338

t Malth. Ess. on Pop., vol. i., p. 6,

^{*} Malthus's Letter to Mr. Godwin, p. 122. I have not this pamphlet, but Mr. Sadler cites it as his authority for saying, "The very existence of the theory is professedly thence deduced."—Sadler, vol. i., p. 297.
† The population of America was stated, in 1770, to be 1,500,000.
The census, taken at five periods afterward, declared the following

from its first colonization, and that the increase he remarked had not resulted from the multiplications of its original setthere only. He treated this important contribution to the American population as insignificant,* and thus settled himself in a delusion from which he never emancipated himself. But in searching out the true laws of population, it is obvious that no country should be made the standard to which emigrants were resorting. † For unless accurate registers had been kept, discriminating the ancient settlers and their usegeny from the various new comers and their descendants, the comparative amount of its whole population at any successive period would not exhibit the effect of the natural increase of the original numbers. No such separation had been made, and therefore it was an illusion at the outset to take the doubling of the numbers in North America, if this were proved, as an indication of the established and universal principle and law of nature for the human increase. But even the American population, taken in its mass, immigrants and all, does not, in its chief separate states, justify the deduced ratio of Mr. Malthus.1

* Mr. Malthus allows only "10,000 per annum for European settlers," which, he says, would be 90,000 in the nine years Mr. Sadler mentions, vol. i., p. 560. How inaccurate this estimate of the supplies from emigration is we may infer from the stated fact, that in the eight yes from 1825 to 1832 there went to the United States, from Great Briss and Ireland ONLY, 136,812 persons.—Herts County Press, 13th Oct., 1833.

The facts collected by Mr. Sadler of the series of immigrations America, which he had found mentioned, are curious and decisive show that her population was continually enlarging from this cause.-

See Sadler, vol. i., p. 432-519.

† Thus Mr. Malthus states that the population of New Englass was, in 1643, only 21,200.—Malth., vol. i., p. 559. Mr. Sadler's remerks tend to prove that it was then far more numerous; but taking it at this number, if they had doubled every twenty-five years, they ought, in 1618, to have become 2,713,600. But the census of 1620 shows that even two years later they were only 1,424,090.—1 Sadler, 432. So in the State of RHODE ISLAND: in 1730 the numbers by the census were 17,995. These, on the Malthusian ratio, ought to have been 142,960 in 1805, and 287,920 in 1830; whereas they were only 80,038 in 1830; and more than 97,199 in the last census of 1830. In like manner New JERSEY. In 1738 the population was, according to Dr. Price, the main authority of Mr. Malthus, 47,369. These, on his ratio, should have become 378,952 in 1813, and above 500,000 in 1830. But in the census of this year they are stated to have been only 320,823, and in 1830, 277,875. So CONNECTICUT, according to Dr. Holmes, had 208,870 persons in 1781. These ought, in 1831, to be 825,480; but in 1830 they were bet 207,675. Vincima, in 1671, contained above 40,000 persons; these, in 1830, ought to have been multiplied at least to 14,280,000; but in 1830. ì

We have an instance in our Canadas how much we should malead ourselves if we took the law of population from its progressive sugmentations there, or from other provinces of British America, as Mr. Malthus did from the multiplications is the United States. In the British possessions, the whole numbers of the inhabitants were under 110,000 in the year 1784, but in 1830 they had become 1,054,000.* Here, in less than two 25 years, they had not only twice doubled, but they had received a tenfold multiplication. So that, if we took our view of human increuse from this example, we should assert that it proceeded in a tenfold instead of a fourfold proportion. The multiplication was as certain in the one case as in the other; but the error of both would be that of attributing to a natural progression what was principally derived from the adventitious circumstance of successive immigratune, t

they were only 1,311,405. Ib. Thus, in those five chief and old states, with all their accessions from limitigration, the actual results contradict the assumed geometrical hypothesis. I take the earlier dates from the authority quoted by Mr. Nadler, vol. 1., p. 409-23, and the census of 1830 from the American publication, "General View of the United Nation," in 1830, in those numbers; Rhode Island, 97,312; New Jersey, 320,779; Connecticut, 297-711; Virguna, 1,311,372; vol. 1., p. 232-4. All nearly the same numbers as in the other American authority.

* Mr. Richards, in his report to the Colonial Secretary, thus states

hees Jacks	:	:	:	ınd	: :	65,32H 32,000 12,000
						109,338
Call the total in 1784, 11	0,000).				
In 1832 it may be taken a	a thu	#:				
Upper Canada						200,000
Lower Canada						544,000
New Brunswick						10,000
Nova Scotia						130,000
Cape Breton, Nev	v four	idland	l. and	i Pri	uce	,
Edward's Island		•		•	•	100,000

A tenfold increase in forty-six years. Richards's Report.

† In Mr. Richards's report he calculated the population of Lower Canada to be 541,000; but the actual census, taken in 1831, succetained the precise amount to be 591,863, which were thus curiously distinguished:—

1.054.000

If, from the whole of British America, we should select Upner Canada only as our standard, the rate of increase we be still more prodigious. At the passing of the Canada Legislation bill in 1791, the population of this province was timated to be only 10,000.* In the war of 1813 it had enlarged to 50,000,† and in 1833 it amounted to above 296,000.2 Thus, in forty-two years, its inhabitants had multiplied, not in a fourfold, or even a tenfold ratio, but in nearly a thirtyfold proportion. They were almost thirty times as numerous in 1833 as they had been in 1791. What a glaring self-delusion it would be if we should build on this event a hypothesis that population had a perpetual tendency to increase in a thirtyfold ratio! Yet this would be as rational as it was to make the doublings in the North American States the best for deducing the law and principle of human multiplication, and not to perceive that immigration had produced the extractdinary numbers in the one country as well as we can prove it to have done in the other. It would be indeed more rational to make British America the standard than the republican provinces, because the additions from immigration were more likely to be more numerous into these than into our present colonies. Our immigrations have been from Great Britain and Ireland alone; while settlers from all parts of Europe and from the West Indies, and a continual importation of

Church of Eng					46,088
Church of Scot	land		•		20,903
Methodists					7,933
Presbyterians				•	8.979
Baptists .					2,580
Jews .					102
Other denomin	ation	 			5,630
Roman Catholi				·	463,936

Brit. Mag., 1833, p. 663.

Bishop Tomline's "Life of William Pitt," vol. li., p. 386. Lower Canada was then computed to contain 100,000 persons.—1b. But in 1831 the number had arisen, as above, to 591,863. This was nearly a sixfeld increase in forty years.

† "In the war of 1812, Upper Canada, with a population of early 50,000, repelled its invaders."—Un. Serv. Jour., July, 1832.

2 By the returns to the House of Assembly, Upper Canada contained in 1823, 190,109; in 1837, 170,099; in 1830, 234,865; and in 1833, 296,544.

—Montg. Martin's Colonies, vol. 1, p. 207.

§ Thus Scotland alone has nearly peopled Prince Edward's Island in these parts. This island contains from 30 to 25,000 souls, most of them smilgrants, who do not speak any other language but that of their native country, the Gaelic of the Highlands.—Bib. Sec. Report, 1802, p. 58.

saves from Africa, have swelled the numbers of the North American population.

Nor can there be a doubt that our Canadian augmentation he arison chiefly from immigration; for we have some accounts of the actual emigrants who went over, which justify the ascription of the multiplication to their successive influx. In the four years from 1829 to 1832, no fewer than 145,000 emistants arrived in Canada, t and a continued stream had been fowing to it, though in less numbers, during the proceding periods.1 The increase of the population of the United States he been so much promoted and produced by the same enhaving cause which has thus advanced the numbers of Cauade that the reasoning and inferences which apply to the one are so past and necessary to the other. The multiplication of either has not arisen solely from that of the original settlers. according to the natural law of human population acting on these : but lakewise from the continual influx of new colonists. and from their perpetual reproductions and expansions in their posterity of The general laws of human multiplication must

 It is scarcely necessary to inform the American reader, that in mahing this elatement Mr. Turner has committed a great error.—Am. Ed. † 1 find them thus enumerated and distinguished; —.

" Km	igran	is to	Car	nada (or the	last fo	ur year	4.	
						1120.	1630.	1H31.	1832.
From England and	Wal	86				3,565	6,799		
Ireland	-	•	•	-	-	9,614		34,133	
Mootland	•	•	-	-	-	3,043	1,450		
Nova Mootia	•	• .	•		-	123	451	424	104
New Bruns	vick a	mq e	Ahor	plac	O#	i	1		
						10.044	04 400	51.154	40.005
						10.940	20.00	01.104	49.000

Making, in all, 145,004 souls."—M. Martin's ('ol., vol. 1., p. 228. \$ In the ten years before IMSV, the following numbers have been stated as arriving at Quebec.

1819			-	12,907	1824		-	•	6,515
1680		-		11,239	1H25	-	•	•	9,097
1421		-	•	8,080	1826	-	•	•	10,731
11443	•	-	-	10,466	1827	-	-	-	16,862
1683	•	-	-	10,958	1898	-	-		11,697
				New I	'armers' J	UUTDI	ıl.—11	kh J	una, 1834.

§ So rapidly do numbers increase from immigration, that the Governor of Upper Canada, in his speech to its parliament on 31st October, 1832, stated that its population had increased one fourth since the previous assessment of the lariestive body; that is, within a few months.

not therefore be deduced from these countries, nor from any to which immigrations so largely flow.*

From the same cause of artificial multiplication, from sources distinct from the natural increase of the original stems, Russia, though it has been resorted to as a prop to the geometrical theory, cannot be exhibited as giving it any confirmation in its augmented numbers; because this country has been, during the last century, gradually enlarged in its population by conquest, as America has been by immigration. The Russian population in 1724, under the reign of Peter the Great, was about eleven millions and a half; that at the Empress Catharine's death, in 1796, it had become 29,177,990, and is now supposed to be from fifty to fifty-four milliona. But one third of these are the present amount of the inhabitants of her added provinces, which have been successively obtained during the last century. The amount of these is surprising when put together.

* The augmentation of particular towns from settlers is striking. Thus Mr. Dunlop remarks of one, that, susteen years ago, the town of Rechester consisted of a tavern and blacksmith's shop; it now contains 15,000 inhabitants.—The Pickwoodsman, cb. 3.

† The first census of Peter the Great, in 1722, gave the males paying taxes at 5,794,928, which, with an equal proportion of females would amount to 11,589,856.—Pink. Russia. The males in 1724 are stated by Sieverni, in the Arkh., 1825, as 5,873,030.—Buli. Univ., t. 11, p. 307.

‡ Sadler's Popul., vol. ii., p. 484. Dr. Pinkerton mentions the numbers in 1812 as 37,700,000. Mr. Sadler, from the additions of the annual excess of highs makes them 36,707 291 in that year.

¢ Dr. Pinkerton, in his "Russia," states these to be,	
The Poles and Lithuanians Finns, Livonians, Esthonians, and Germans Jews The Cancasian, Crismena, Kacan, Astrachan, Bask- keer, Kenjizian, and Siberian Tartars, all Moham	8,000,000 3,000,000 2,000,000
medans The Memphian, Kalmuck, Maning, and other heathen	2,000,000
tribes of Siberia belonging to the Buddish and Sha- man idolatry The Georgian nation, with the recently conquered	1,000,000
provinces of Persia, and the Armenians	1,500,000
	17,500,000

He reckons the Russians themselves to be now thirty-six millions, and thus considers the collective amount of all to be above fifty-four millions.

|| The author of the "Progress of Russia" remarks that she "has made acquisitions from Sweden greater than what remains of that ancient kingdom; her acquisitions from Polanu are as large as the whole Assets.

and since 1772 have more than doubled the previous extof for territorial empire in Europe. The numerical insee of her population cannot therefore be addiced in suptof the Malthonian ratio. Nor is it likely, if it were contly see crained, that it could ever confirm it, on account of
service state of its people; for it seems that a very minor
tosty of them are not in this class? The rest are still
sea, without any civil rights; and as they cannot marry
bout their owners' leave, we may be sure that such masters
id sever let their multiplication be inconvenient to them to
painful to add that there is at present no prospect of
as long relieved from this depressing condition? The
ritorial additions of Russia, and the service subjection of
people, so unfavourable to reput increase of population,
clade her from being the standard of its natural laws.

ranger, that the territory she has wrested from Tissus y in Enterory goal to the decembers of Present, exclusive of hor Rhentsh Provinces, asymmetone from Tissus y in Aria are equal in extent to all the lies states of Congretty, the Rhentsh previous of Primais, Heigener, Heidenet them tegrates; the country she has conquered from Passus sent the area of England, and her acquesitions in Tassasy have an equal to Turkey in Europe, Greener, Italy, and Spain." Hen the agrees of Kucara in the Exect.

"The correspond of the acquired within the last stary four years to for in extent and importance than the whole empire she had in Eubelley (1911 1930)."

Dr Pickerum man on the privileged orders in Russia to be,

The survising,	nala	, '		٠,			725 (FH)
The chilly							242,544
Civil officers							7141,010
Frankis spate 4			w .				220 (44)
1 100 1011 11 10 W			-			-	V7 (H)()
M.L. Inch feet		•	•	•		•	900 000

scalares are in two orders, those of the rown and those of the no principles shows belonging to the nobility are calimated at above ity one uniform. Those of the crown at bourteen indicate." Drawlers at least the file of the crown at bourteen indicate."

In Properties informs us that," properly spenking, the Russian slave use right and can present us property. Himself, his wife, and chil, , and all that he presents a fee the property of his ford. He can purchase, enter into trade, or many uniform his lords concent?

"The Simperor Alexander had a great desire to raise the slave from the principal countries, but his plans may with a decided opposition the principal tensor in the empire, and since his death no attempt been made, by government to further his enlightened purposes." serious a Resear.

A Russian thus states has surrossive culargement. "When Year was second to his throne, the sateral of Russia was SAMA agence.

LETTER VIII.

The state of the American Population from 1800 to 1830 unfewerth to the Malthusian Theory.

My DEAR SON.

As the Malthusian theory originated from calculations on the apparent population of the united provinces of North America, and has been adhered to chiefly on that account, I think it right to suggest some further considerations which seem to indicate, from its own elements, that it is not possible it can double itself in the alleged ratio of twenty-five years.

Human life, instead of being longer, appears to be briefer there than in most European countries; and yet the marriages are not much more prolific than is necessary to keep up a population to a subsisting amount. As the general impressions has been very contrary to this, I will explain the facts and reasoning on which my conclusion has been formed.

We find, from the North American census of 1800, that in the United States at that date nearly one third of the white population was under then years of age; that above half of it were under sixteen years, and nearly two thirds under twentyaix; so that not much more of their living males than one

leagues; his conquests added to it 20,000 more. Catharine I. and Pass. II. also enlarged it. The Empress Anne obtained 88,000 square leagues, so that, at the end of her rugn, Russia contained 641,048 square leagues. Catharine II. extended largely its aggrandizement, and even Paul I., so that in 1790 it comprised 648,444 square leagues. Under Alexander, by various events and treaties, and since, it was no enlarged as to comprise, in 1834, 725,780 square leagues, laving gained 210,000 square leagues in one century, and all rich and fertile provinces."—Russiand's Territoria Vergromescans. It was then under forty-three contribus or governments.

Vergresserans. It was then under forty-three eparchies or governments.

In the census of 1800, the free white males were returned as being \$1,04.25; of these, the first class, under ten years, were 715,046. Those above this age, but under sixteen, were 313,650, making, together, 1,058,696 males under sixteen. Those of sixteen and under twenty-six were 303,934. Thus the males in 1800, under twenty-six years old, were 1,452,630 out of 2,194 235. This was rather less than two thirds, as these would have been 1,462,816.—Gen. View of Un. States, 5, 53.

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er time ser . en en la lien en Ne Cema libera . . . : • •

The second of th

The census of 1830 was taken with a differe the ages; but the results are of a similar comp also nearly one third of the males were under age.* The next age distinguished was fifteen teen: consequently those under fifteen did no moiety; and it is probable that those under also less than half at this period.† Above f nearly a ninth more than a half, were under sequently not four ninths of the males had re years of age. ! Nearly three fourths were unde above one seventh were above forty: || and no had reached fifty. The proportion of those w and above was not one twenty-fifth part: ** a

* The summary of this census is given in the "Gen United States," p. 55, and also in Flint's "Mississippi V 214-289—thus: free white persons—

	un	der 5						97
46	of	5	and	under	10			78
64	of	10	and	under	15	-	_	67
66	of	15	and	under	20	-	-	57
Œ	of			under		Ī	-	94
86	of			under		Ī	•	56
44	οſ			under		•	•	36
66	of			under		•	•	23
46	of			under		•	•	13
4	~			under		•	•	**
66	2			under		•	•	ï
44	~			under		•	•	•
	of			HOWAI		•	•	
	u	700	-	whater.		•	•	

† One helf would have been 2,679,284. Those enum on amounted to 2,426,519; and if we take one fifth (fifteen and twenty as an average addition for those one would make the number under sixteen to be 2,541,642.

‡ The males living under twenty were 3,002,133; fi have been 2,976,988; those, then, of twenty and above four ninths would have been 2,381,591.

5 Those under thirty were 3,955,035; three fourth would have been 4,018,927; so that not one fourth were

|| Those under forty were 4,547,631, and only 810,00 nine; one seventh would have been 765,509. If we a those returned as between forty and fifty, for those who would make those above forty to be 802,446.

If One twelfth would have been 446,547; the numb

fifty and above were 441,758.

** The numbers under sixty were 5,147,311, leaving ! of sixty and upward; one twenty-fifth part of all w 214.342

REVENIT WITH DE CHEL . SEVENIEL DE ' & LEE ME main " Terramin as an a to have the manning security of ARTHUR PL. THEIR CHITETING IN LANS WAS IN CARTINGS IN e of four deficition fettier - butt - without in MUNCL SUFFICION V LO AF THE COMMINETALY ELIGIBLE THE THE STATE OF STREET RTOLE EXPERT D SOME IN BUILDING LIMITS OF THE PROPERTY OF T NOR THEFE THEN NOW THE NOW THE TO MILLEY SITTERN IT MILL I W. HAR IN PRO-FRE-TIVE as the time timing which has been being the ne the fitti were the second of the second BEEFE C DOL FERT . ID See se DEL Weighters to the following of the later feet. 5. Latter, and business of the work standards TEST ATTENDED TO CONTINUE OF THE PARTY OF TH CONTEMPORARIES CARROLLES CONTEMPORARIES CARROLLES CONTEMPORARIES CARROLLES C 1i. . i... e national en la

Personal Distriction of New College of the Second of the S

concurs, with the shortened lives of the male sex, to maidoubling in twenty-five years physically impossible.

In the census of 1810, the females who then could mothers could only replace their contemporaries and it selves by every one having five children; for there, at one third were under ten, and not two fifths were between fifteen and forty-fifer those who only could be mothers to renew the existing ulation, every one must have above five children. Sin results arise from the population of 1820, and likewis the altered scale of 1830. In the last, nearly one

• In the census of 1810 the white females were returned (2,872,800; of those under ten years were 981,426; one third would been 987,983.

† Under sixteen were 1,429,748; one half would have been 1,426 ‡ Of sixteen and under forty-five were 1,105,824; two fifths v

have been 1,149,580.

Now five times 1,105,824, the number of women between fifteen forty-five, would be 5,529,120; so that every marriageable female: have, upon an average of all, above five children each, in order than the control of the then existing generation, without increase.

|| The census of 1820 returned 3,866,657 free white females, e fellowing ages :—

Under 10				1,280,550
of 10 and under 16				605,348
of 16 and under 26	•		•	781,371
of 26 and under 45			•	726,600
of 45 and unward .		_	_	469 794

T In the census of 1830, we find the free white females to have then shaned:-

Un	or 5 years				920,104
of	5 and under	10			751.649
oſ	10 and under	15			639,063
of	15 and under	30			597,713
of	20 and under	30			915,662
ol	30 and under	40			556,565
of	40 and under				255,425
ol	50 and under	60			222,926
of	60 and under	70		-	120,866
of	70 and under	80			56,034
of	80 and under	90			17,572
of	90 and under	100			2,484
of	100 and upwar	d		•	234

Plac vol H. D.

were under ten; nearly four ninths were under fifteen; not much more than one fourth were above thirty; a more than one seventh were above forty; t not one twelfin were fifty; and only between a twenty-fifth and twenty-sixth attained sixty; | less than one in seventy-one had become seventy vears of age. Their vital duration was a little longer than that of the male sex. But we may submit it to the judgment of our statistical calculators, whether it is possible, with these established relative proportions of the different living ages of our North American contemporaries, that they could, from their own nativities alone, enlarge their population in a geometrical ratio. Instead of this, I cannot avoid thinking. from all the above circumstances, that if there had been no immigrants to them, the United States would not have done more in the thirty years we have been surveying than keep up their own population, or but very gradually increase it.

Both Mr. Malthus and his followers have made a distinction between the multiplying ratio of the older states of America and their new or back settlements; because, on the comparison of their numbers in the latter at different dates, a greater increase was visible than in the former. But here again the effect of immigration has been micraken for that of natural birth; the new states have not swelled into their enlarged numbers from the successive reproductions of their original inhabitants. There has been, and is still, a constant influx of new comers; the travellers into America

* Under ten were 1,671,753. One third would have been 1,722,433. Under fifteen were 2,310,816; four ninths of all would be 2,296,576.

The females under thirty were 3.834.191; three fourths would have been 3.875.472. Those of thirty and above were 1.343.106; taking from these one tenth of the next class as the number who reached thirty, those above thirty would be 1,287,532. One fourth would have been 1.291.824.

[†] The number under forty was 4.379,756; and those of forty and above were 757,543. If we take off one tenth of the next class as those attaining forty, the number above that age would be 752,001. One seventh would have been 738,155.

[§] Of fifty and above were only 432,115 out of the 5,167,299; deducting one tenth of the next class for those who reached fifty, those above that age would be 409,526. One twelfth would have been 430,695.

^{||} Those under sixty were 4,955,109; adding to these one tenth of the next class for those who were sixty, those above sixty would be only 196,104. One twent-fifth would have been 206,692.

T Under seventy were 5,088,975. One tenth of the next class would make those who attained seventy 5,094,778. Those above seventy would have been 72,751. One in seventy-one would have been 72,752.

agree in this; hence, if their numbers have doubled in ten, fifteen, or twenty-five years, as different advocates of the geometric ratio have thought, the greater rapidity of their sugmentation is a mark of the unceasing accession of new roamers thither, not of their maternal prolificness. To them the unprovided, the necessitous, the restless, the enterprising and the dissatisfied are continually moving; and from the fresh tides of human life, originating in other parts, their eslarging multiplications have principally proceeded. Mr. Sadler has collected some authorities on this point as to former times; but the fact is so clear from all the accounts of America since the present century commenced, that only the "Qui vol decipi" will allow himself to be influenced by any contrary supposition.* The hardships, diseases, gross food, and grest use of spirituous liquors in the dreary back settlers, must be unfriendly to large and rapid increase of lasting population!

* LOUISIANA. "The population in this state increased in ten years more than 600 per cent." "In the upper settlements the inhabitants are principally Canadians; in the middle, Germans; and in the lower, Fresh and Spaniards."—Carey and Lea, Geog., p. 281. Warden says, the inhabitants are composed of men of every country in Europe. - Stat. Act, vol. ii., p. 531, 567,

INDIANA. The increase from 1810 to 1820 was upward of 500 per cent. "A majority of the people are from Kentucky, Tennesses, Virginia, and the Carolinas. The remainder are from every state in the Union and from every country in Europe."—Carey and Lea, p. 300.

ILLINOIS has trebled its numbers in the same time. This territory is principally peopled by the French, with numbers of immigrants from both England and the United States.—Warden, vol. ii., p. 57-9.

Onio. Of this state Dr. Drake says, "There is no state in the Union which has not enriched it with some of its most enterprising chizens; nor a kingdom in the west of Europe whose adventurous exiles are not commingled with us. To Kentucky and the states north of Virginia, to England, Ireland, Germany, Scotland, France, and Holland we are most indebted."—Drake's Nat. and Statist. View, p. 257.

TENNESSEE. "It has scarcely any uniform character, its population

TENNESSEE. "It has scarcely any uniform character, his popularism consisting of immigrants from the Carolinas, Virginia, Georgia, and the New England States and from Europe."—Warden, vol. ii., p. 351.

KERTOCKY. Imley says, "I have known upward of 10,000 insaignants to arrive in the single state of Kentucky within one year, and from 4 to 10,000 in several other years."—Topog. Disc., p. 84. Mailes Brun mentions of it, "The people consist of immigrants from every state in the Union, and from every country in Europe."—Geog., Lixxi, p. 199. Sadler, vi., p. 486-8. How can the back settlements afford say basis for the law of native population?

† Reasoning from the official returns of one of the most flourishing of the North American states, in the year 1825, that of New-York, & would take above fifty years to double its population. This was the returned to be 1,616,458. The numbers of married women were eases-

LETTER IX.

perienced Increase shows the real Natural Laws, which are not the for every Period of Society.—State and Progress of Population ugland, Scotland, Ireland, France, and some other Countries of m.

IT DEAR SYDNEY,

i natural course of human population is represented to its actual progress in the nations around us, in its al and general operation. A good example of this may n in its advancement and variations in our own land, the other civilized countries of Europe. In this, as in ags, the exception must be distinguished from the genle, and never mistaken for it.

are not only best acquainted with ourselves and our can neighbours, but we are certain of finding in our tions the practical operation of their appointed laws. these, they have become what they have been and now and it is with the practical operation of any law that we litically concerned. We may leave abstract theories to ausive speculations of metaphysicians. But we need we the acting laws of our daily nature for our moral and tive guidance; and it is from the experienced effects sees can be most correctly traced. We must seek the out the possible. What may occur may also not occur; hat has taken place and is taking place is most likely timue to recur. It will not, therefore, be wisely done to rom the regular experience of the Old World to any pe-

to be 200,481; the females between fifteen and forty-five were; the marriages that year 11,553; and the births of that year 10,283.—Nat. Gazette Philad., Feb., 1820. Therefore not one of the married women had children that year, and between three ir years would elapse before at that rate they would be children; married women were not quite one eighth of the whole population. Is would be nearly thirty years before all their married women have produced a number equal to this population. But an equal r would only replace those who died off; and as a generation die at thirty-four years, it would require between fifty and sixty years the actual population of 1820 would, at this ratus, be from its own.

culiar or imagined anomaly in the New one. The ordinary results of life are our best instructers as to the natural rules or means which produce them: on these we shall most safety act, and not on extraordinary effects, from extraordinary canation. if such should be found.

Hence any theory of duplication would be very little deserving of our notice if it were such as very rarely was resiized, and if such an effect could only take place under contingences that seldom could occur. It is on the results which have been regularly experienced, which come, as if the usual sequences of steadily acting laws, that we should deliberate

and act.

In every department of nature, we found our science ca this principle. We do not argue on lions from the supposition of what number it is possible they might produce at a birth; for if we took the possible accident for the natural law, we might contend that they would, in time, overrun the world. to the extinction of all other animals. Instead of taking a contingence for the basis of our reasoning, we seek for the. common and experienced fact of their usual fertility. We then find that their possible power of increase is so regulated in its habitual operation, that no more offspring occur from the lioness at one birth than suits the coexistence of the other quadrupeds of their country.* Comets, according to the law of their projective movement alone, might, at any time they come, rush on in the line of our earth, and whirl, distipate, or melt us in fiery destruction. This is never impossible. But we know from experience, that by agencies unknown to us, but potently guiding them, they have been always kept from our actual path; and from this practical fact, the neverceasing possibility of the collision is scarcely even thought of

^{*} Though the fewness of the lion's progeny has been deemed an argument of his noble nature, yet that lions may be as prolific as eats, we may perceive from the following circumstance which I take from the Cambridge Chronicle, Nov., 1836. "On Tuesday morning last the lioness in Mr. Wombwell's menagerie, exhibiting at 8t. Andrews'hill, in this town, produced over young cubs, all doing well. The lioness will not be three years old it i next menth. An instance of such precity is not known in natural history, it being the option of most instratists that the lioness does not attain maturity this five years old."—Camb. Chr. So we hear occasionally of four children born as one time; but this amount, though always within her power, a not the law on which as ture practically acts. The practical operations is the operating law.

www.mayer seriously dreaded, though, for chitchet, talked of he manner es to our population. It is quite wrong to them ourselves and to prejudice our judgments by theoretical laws and conjectural possibilities, even if these were in truth as ruinous in the prospect as Mr. Malthus anticipated. The bases of our sound judgment should be, the careful observation of what, in civilized countries, the actual increase of population has hitherto been found to be. In this beneficial tatio it has hitherto glided on, never inundating, and always ecompanied by its due subsistence as far as nature supplies No one can surely think for a moment that the multiplicates will ever be greater in a savage than in a civilized community: nor in a demissivage one. And if it were, such a fact would be of no importance, and have no reference to me or to any nation that is not in the savage or half-savage condition. It is with the actual and experienced natural increase of population in civilized countries that we are alone concerned; because we are in a civilized state, and shall go on to increase or decline by the laws of a population in that state, and not by others. If, therefore, it were true, which it m not, and I think cannot be, that the back-settlers of America doubled in twenty-five years, we are not back-settlers, and, therefore, never shall increase in that ratio. France, Spain, Portugal, Germany, Holland, indeed all Europe, are not backsettlers either; therefore, if they last 1,000 years more, they will never enlarge by the back-settlers' ratio, be it augmentative or diminishing. It would be as reasonable to say that ugers will assuredly multiply like guines-pigs, because those little annuals are peculiarly prolific. Each animal has its assumed law of increase, and keeps invariably to it, and is not affected by the rate at which others multiply. The different states and stages of mankind have each their respective laws and habits of multiplication also, which neither of them in that state or stage can ever pass, whatever be the enlargement of other conditions.

As far as I can judge, this appears to be the rational and practical view of the question, and as applicable to America as to ourselves. It is not of the consequence of a straw to the United States that their ancestors doubled at the geometrical ratio, if that had been the case, since it is becoming more generally admitted that they do not so multiply now.

[.] In a very abie article in "Blackwood's Magazine" on the voluntary

They cannot be again in their past state; and therefore connot increase again by the laws and ratio which accommu their anterior circumstances, whatever those were, but w will not so operate in any other condition.

Let us then commence our inquiry, which the nature of the present work requires to be but a brief and limited atta by observing the experienced facts on this subject. cannot afford space for a large examination and detail, I will select such as seem to be sufficient for a right judgment; and as we know most of our own nation, and, by the patri care of our legislators and their official agents, have had our population ascertained with all attainable accuracy, this a be the first subject of our attention.

Our numbers in England, at the time of the Norman Conquest, may be taken at two millions; yet, by the time of Edward III., no great increase appears to have occurred although we had been, on the whole, a prosperous nation in the interval, as much so at least as any other at that time in the world, and had not been molested by any foreign inviders, or wasted by the desolations which their armies misk have caused. The inference, therefore, will be, that the law of our population at that time produced a continual replacement of those whom death removed, but allowed little farther advance. No country has enjoyed so long, either in anciest or modern times, a succession of abler sovereigns, on the whole, than England has exhibited from the accession of William I. to the reign of George III.; yet in the 755 years from the landing of the Norman to the year 1791, when

principle, the intelligent author remarks: "Even in America, doubling as it does over the whole Union in fifty, and in the frontier settless in twenty-five years."—Dec. 1836, p. 791. I would submit to his res sideration, that the difference as to the frontier settlements may be es punged.

* This calculation is stated in the "History of the Anglo-Sexons," vol. iii., ch. 9, with the particulars from the Domesday enumerations on which it was founded. I have since observed that Sir William Petty, from his

own investigations, came to a similar result.

† From the Subsidy Rolls of 51 Edw. III , 1377, laid before the Society of Antiquaries by Mr. Topham, and published in their seventh volume. Mr. Chalmers calculated that England and Wales contained at the d mise of Edward III. about 2,100,000 souls.—Chaim. Estimate, p. 13. He reasoned also that two bundred years afterward, in Elizabeth's reign. or about 1583, the people of England and Wales were between four a five millions, "though approaching nearer the last number than the Amt."-Ib. 35.

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that of George III. All the natural causes of its increase were in unrestricted and even befriended action. Every social influence was on its side; and the national improvement and prosperity, and the long abstinence from foreign warfare which distinguished the reigns of the first two Georges, especially during Sir Robert Walpole's long administration, were auspicious to our human increase. Yet, although thus favoured, the natural laws of population, instead of twice doubling our numbers in this period, and of beginning their third duplication, as on the Malthusian theory they should have done, only added, at the end of the 60 years, one fourth more than the amount had been in the beginning of that century.

From the accession of George III. to that of his present majesty, William IV., an enlarging ratio began, increasing with the national greatness and prosperity. No country, as far as wealth, talent, industry, commerce, and enterprise, and the moral habits and domestic virtues, could advance a nonulation. has been under circumstances more auspicious to its promotion than England and Wales were during the reign of George III. and that of his successor George IV., especially in the latter portion of it. Yet we learn, that in the SEVENTY YEST from 1760 to 1830, the population, instead of three times doubling itself, had but a little more than once doubled itself; and in the last sixty years from 1770 to 1830, when its increase was by far in the greatest ratio of multiplication, had not in 1830 doubled what it was in 1770; * are we not justified, with such an opposing experience as this, in refusing to believe that geometrical progression is the law of human population! This is so far from being the fact in Great Britain. that, instead of twenty-five years, it takes seventy years to 'double in.t

* Mr. Finlais	on's acco	unt conti	mued is-		
1770			•		7,997,586
1780	•			•	7,814,897
1790	•		. •	•	8,540,738
1800	•	•	•		9,187,176
1810	•	•	•	•	10,407,556
1890	•	•		•	11,957,566
1830					13,840,751

These numbers "include the army, navy, and merchant seamen."
Rick. Pop. Abst., vi., p. xlv.

f Mr. Rickman remarks, "The increase of population in Great Britain.

Has then fancied law been predominating in Scotland I standy not; for in the thirty yours preceding our last compacts of her history, and with all the most flourishing ora of her history, and with all the most flourishing ora of her history, and with all the polation, instead of more than doubling, had increased in \$1 by rather less than a mostly of what it had been when a present century commenced.* But comparing Scotland 1920 with what it was in 1700, we find that it had only which once in 120 years t

What has the law appeared to be in Ireland, which has an appeared to be peculiarly proble in her young progeny? In had that, from 1712 to 1791, it had but just doubled it is severity inne years; I and from that time, although the same of human prosperity have been acting within her more rangly than ever, notwithstanding her local agustions, she d not doubled her population in the forty years which product her commun in 1931 9

s and been metericity accelerated or retarded since the year 1901, have been at ways about one and a half per cent per annual "... Pop. Abat., L. 1. 9. 9.

THE RESIDENCE OF	LAMORE LA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 , 64,000		
1941				1,544,444,1	
1411				1,7410,1441	
1421		,		2,144,40	
LHSI			,	2,276,114	
•			Prop. Almt .	val 1 , Prof	ı
Come buil of			· · ·	۱۳۹۹ نامای ر	
ne blaver				744,924	

† Mg. Mari' which states the numbers of these two periods thus:--17(s)
1/05/1/09
2.125.990

1989 2, 125, 1989
2 Me J. B. Bryan, in his "Fractical View," anumerates the following tree of increase since the year 1799.

1712 0	um Tu Dishin			8,(KV),(KV4)
1714	. Aitty			2,174,144
17.25	4,14,			2,317,374
1.20	4itu,			2,344,145
1754	Hearth numey	red lorth	<i>m</i> ,	2,372,034
1797	. 41114			2,044,275
1777	. 4110)			2 441,500
17%	. ditto			2,140,972
1791	Anto			1.200 013

Richia's Ireland, p. 110

§ The company of 1831 calcidated the population to have advanced their

7,707.401. The double of the amount in 1701 would have been, it is had
how place, 5,112.200. The last communication by the Review Communication.

Does France, in her augmentation, support the geometrical ratio ! So far from it, that Mr. Mathieu infers that its population, at its present rate of increase, would require 111 years to double in. The comparison between its amount in 1991 and that of 1831 indicates that it would not advance so may idly as even this slow increase, for it had only enlarged a little more than one seventh part in these thirty years." This rate would take 200 years for a duplication instead of only the alleged twenty-five. Her separate departments display a sixtlar slow augmentation, with some differences in the ratio. Other countries, in the natural operation of their laws of population, discountenance the universality or predominance of any geometrical multiplication. The largest increase is in

sioners in 1834, made the total population of Ireland then 7,943,946, and a double in forty-three years. They were thus distinguished:

Roman Catholics	•	-		6,427,712
Church of England				852,064
Presbyterians				642,356
Other Protestants				21,808
		H	amilton'	s Abst. Rep., p.

The progress of France since 1801 may be thus enumerated; 1899 30,465,390

31,845,498 32,560,934 The first and last numbers are from Mr. Rickman, vol. i., p. 24, 600 two others from Fer.'s Bull. Univ., 1828, p. 17, 19.

28,216,254 one seventh 4,030,893

1827

32,247,147

Thus the increase from 1801 to 1831 was rather more than one † Thus the increase in the eighteen years between 1801 and 1818, in T Thus the increase in the eigeneen years and any and the department of L'Aisne, was 33,371 on 420,395, which was about ese twelfth; and this rate would take 316 years to double inBull. Univ., 1236, t. 7, p. 30.

In Haut Vienne the increase was one seventh in twenty years, from

1810 to 1829 inclusive.-Ib., 1831, p. 157. This rate would have doubled the numbers in 140 years; several departments then varied in their ratio.

but none bringing the duplication in less than a century.

In the "Revue Encyclopedique" for 1828, the average increase in all France during 1827 was stated to be 6:36 in 1000, or about one in 150. This would require a century and a half before the whole French noonlation would be doubled.

‡ In the Pays bas, or kingdom of the Netherlands, the population had increased in the six years from 1819 to 1825 from 5,642,552 to 5,992,666. M. Quetalot states this to be one seventy-fifth in each year.—Bull, Univ., 1837, p. 94. This rate would only double once in seventy-five years.

In the Prussian provinces on the Rhine the population in 1816 was 1,849,711, and in 1838, 2,172,545. This was an increase of 372,334 in

lessis: but as I have before observed she has been so fremently augmenting her territories, and therefore her populaten by the addition of new provinces and tribes to her embre. and also inviting and receiving new settlers from other countries. † that it is not safe to rest any calculation of the estoral law upon her augmentations. All these instances, from so many countries in Europe, under circumstances very casumilar to each other, but all existing in the most prosperone age that our world has known, and when population has been receiving impulses highly favourable to it from the general intelligence, improvement, activity, and increasing property and employment of all kinds, concur to indicate that the supposed law of the geometrical increase is not that general system under which our Creator has willed and causes his human race to multiply. It has been one of those mistaken deductions which captivate from their novelty, and claim attention by their plausibility, and are well meant by their supporters; but which, being too hastily made, from insufficient twelve years.-Bull. Univ., 1830, p. 425; and would not double the

amount for nearly seventy years.

In Guelderland the numbers in 1815 were 239,784, and in 1825 were

25.572 -Bull. Univ., 1987, p. 103. This ratio would require a century for the duplication.

Corner, in the five years from 1622 to 1627, increased 4.731, or 180.349. This rate would not double till nearly 190 years.—Bull. Univ., 1828, p.

Denmark in nine years, from 1816 to 1825, advanced from 921,600 to 1.142,193.—Bull. Univ., 1829, p. 134. This rate would be above fifty gears in doubling if it continued.

The kingdom of Naples in 1813 contained 5,922,203, and in 1834 only miorged to 5,932,273. This augmetation would require ninety-five years for doubling.

In Palerino the population, according to Dr. Calcagni, was 156,876 in 1916, and in 1925 had become 167,505.—Bull. Univ., 1827, p. 121.

m rate, and in 1922 has necome 107,302—Buil. Univ., 1927, p. 121. This increase in nine years would not double the numbers in 140 years. In Maxony the population in July, 1832, was 1,524,153, and in December, 1524, was 1,525,669, being an increase of one per cent. per annum-Seventy years would be requisite for its doubling at this ratio of increase.

—Mr. Presion to Statistical Society.

At Frankfort the population had increased, in twelve years preceding 1839, during which 13,754 had been borh, only 316, which was but a forty-third part.—Bull. Univ., 1531, p. 50. At this rate this city would set double its numbers in less than 300 or 400 years.

See before, p. 57.

I Mr Multhus thus mentions those foreign colonizers. He says of the Empress Catharine, "Her unmense importation of German settlers not enly contributed to people her state with free citizens instead of slaves, but to set an example of industry, and of modes of directing that industry, to tally unknown to the Russian peasants."—Maithus on Pop., vol. 1., p. 310. Vol. III -G

meterials, depart from the mind as soon as fuller and more correct information, and the just reasoning on that, advance in society. We drop, then, our errors as naturally and as creditably as we at first had conceived them.*

LETTER X.

A Rule suggested by which the Malthusian Ratio may be always triel.

—Its Conditions have not occurred anywhere.—The more probable
Rate shown in the late Increases of our own Population.—In Russia
a similar Gradation.—Also in Prussia and Lithuania.

MY DEAR SON.

As very important political systems and legislative measures have been recommended on the principle and the belief that the Malthusian ratio is the true law of population. I have endeavoured to find out some simple element by which, I will not say its possibility, because that is not a statesman's inquiry, but its probability, according to all known experience, could be put to an arithmetical and applicable test. If I do not deceive myself, one has at last occurred to me, which I will now mention. This is the rule, that no population asymptotic and double in twenty-five years, unless the births are, for all that time, 65 in every 1000 of the people, and the deaths all that while only 26. There must be a continuing

* The English population in the year 1710 was, according to Mr. Finlaison, 5.134.516. Now supposing it to have been 2,000,000 at the Nerman Conquest, a steady increase, at one twentieth in every generation, at three twentieths in a century, would bring it very nearly to the secertained amount: thus—

1066					2,000,000
1100	•	•	•	-	2,100,000
1900	•	•	•	•	2,100,000
	•	•	•	•	2,431,012
1300					2,814,199
1400					3,252,785
1500					3,765,412
1600			•		4,358,934
1700	•	•	_	•	5.045.998

We here see that it was above 450 years before it doubled; yet the country was continually increasing in its national improvements and passpority, notwithstanding its civil and foreign ware.

یری پریری که مشیش مث دد - l- - l -ar Šare a of twenty-live venue, in our age or o here found more myself. ناط عد مَا أ The tittle, nearly a t to address say. population in every year, and always twice or number of the annual deaths, for twenty-five years, v a doubling in that time." The principle may be expressed in another form, thus: to double any population in twee years, there must, in each of these years, he born and live a one twenty-fifth portion of its whole numbers shows the who shall suspeally die; a little less than one Mass born, and then one thirty-minth dying, every year, would be t nearest proportions to fulfil this rule. The fractional subtractions from these numbers would make the result exact. practical laws of daily nature do not accomplish these conditions, as far as my inquiries have extends.
Our own population, for the last thirty

of as steedy a national increase as any first can be exacted.

^{*} We may sty this rule by any member: (100,000; for them to double in 25 years, the ry be bern every year for 25 years eccessivity, soully for that them; (2000 × 25 = 100,000 h no; $6300 \times 25 = 16$ B, the surviv n from the birthe surplus of 30 births on 1000 in every year; 2000 X % w 97,500.

So, if the births be calculated up one in 15 5-13 of the pe the deaths us nearly one in 30 for 25 years, the 10 tion of nearly 100,000 at the end of the 25 years.

am not aware that any has surpassed this augmentation for a greater continuity. This has caused a multiplication of about one tenth in every ten years. Now, to do this, the regular result must be, that the births shall, on the average, during all that time, be on the whole one half more than the deaths. One and a half births to one death will produce an increase of numbers like our own, and double the population in about seventy-four years, if the relative progress never lessons or ceases. But if either of these events takes place, if it for any time diminishes or pauses, the people cannot be doubled even in that length of time.*

But because England has in the last thirty years increased by one tenth, we are not therefore to infer that she has always had such a rate of increase, or that this is the general standard of nature in all times and in all ages; for this was not the case before. Instead of the births being always above 100,000 beyond the deaths, as, with two exceptions, there were in each of the twenty-seven years after 1893, their supplus was not one third of that number in 1801, but began to

increase in the two following years.

If we look at our population before 1800, in the seventy years between 1700 and 1770, we find that, taking eight decennial periods of this interval, the burials were, at three of

* That a steady increase of one tenth in every 10 years for 70 years would in that time double the population, the following figures show: taking the population at 1000, this would be:

1100	in	the	Ω	rst	10	years
1210	at	the c	n d	l of	. 50	•
1231	at				20	
1464					40	
1600					50	
1760					60	
1936	at			_	70	

But an increase of one tenth in ten years would be an average augmenation of one hundredth every year. Calculate this in the same way, and you will find that it will be doubled about the seventy-third year. But if the annual increase became diminished in any part of this long series, the time of doubling would be correspondently protracted

series, the time of doubling would be correspondently protracted.

† Our baptisms exceeded the burials in the first six years of this contrary by the following amounts:—

1801			32,595	1804				112,815
1802			73,948	1805				110,961
1903	•	•	90,380	1806	• .	•		108,477
				Calculate	g Gro	m B	kka	a. Pon. Abat.

L* 1710, 1720, 1730, more than the beptisms; and alsh the latter showed that at five of these times the birthe adad the douths, yet their surplus was so small, that our 251.616 buttingen, the deather came no close that not a 90,000 had been born beyond those who died, the was matil 1740, in these periods, that the surplus of births began a to exceed the deaths in a small degree, This had inand to the next period of 1750, still more in 1760, and a more in 1770. But, after this year, such a new impulse as it were, mulderly given to the reproducing causes. in the twenty years between 1780 and 1800, the buttimen used the deutle by above a million ! The course of inas were in this interval so unusually operative and effectand the abstract of declining supers so great, as to has in these twenty years above thirteen times the surmanhers which the seventy preceding years, according tern decembed calculations, had added to our population. since 1800 the reproducing laws have acted with still or officery, so as to make the augmentation of the last ten a amount to the addition of one tenth. The long conthe of much an nurrenne as this has been very rare. Perit can be found but very rarely anywhere else. In Rus-

 	-

•			Ragtiumu.			Buriala.
1700	,		150,540			192,794
1710			120,279	,	,	140,900
1720			156 (100)			160,494
1730			101,404			170,448
1740		,	104,067			166 479
1700			100,104			104,446
1700			1167,11045			150,047
1770			2000 (JOU)			174,343

The expense of burish beyond implication in the above last in 1710, and 1720, was 11,310. If he excess of buying above hydrals in 1710, and 1720, was 111,302, including on these sight decembed years of the 1,261,010, which is then buying an application only 10,495; but in these eight exterior the population increased to more than according to the qualitation forms of quite one filters in product to the product of the contract of the contract

that number, or not quite one filteenth part. The whole heptiene and burkets, true 1740 to 1400, in England and the ware

aia, the productive results have varied. In the eleven y after 1811 her births exceeded her deaths by about one the In the next year her deaths were more than her births, after that her nativities became more numerous than her also. Yet her variations show the improbability of a con keeping up for twenty-five years successively that degree superiority of births to deaths which a large, and quick, lasting multiplication requires. Nothing of this sort is 1 seen in the different enumerations of the Russian nation.

* From 1819 to 1869 inclusive in these eleves years the success v

Births .	CLEEN AS IN	12055 66	von you	15.45 6 ,19 5
Deaths .	•	•	•	10,085,306
	•	•	•	10,000,000
				5,370,900
Making this increase by		rpius birti	ee in th	we deven ye
Fer. Bull. Univ., 1827. p.	. 115.			
† In 1913, a year of we	ar, the de	athe of Ru	ionia ex	ceeded ber birt
2740.—1b., 115. At St.	reteraces	rg, from 1	913 W	1043, there was
The births were				80.266
The deaths .		:	_	107,500
making 27,235 more dead	than bor	n.—Ib 11	16.	
‡ Thus the whole amo	ant of he	r male wa	e ices i	n 1816 than the
been five years before.				
Males in 1811 Males in 1816	•	•	•	17,952,494
Market 10 1010	•		Di	17,029,783 Un., 1831, p. l:
In 1833 and 1834, the b	irthe and	deaths at	nd in th	Un., 1031, p. 1
1833 : Births .		Majos	~~ M U	. 942,836
		Female		. 902,909
				1,845,045
Doeths		Males Famele		779,148
		reme	• •	706,151
				1,485,391
Excess of births				290,754
To 1994 the amount man		St. Pe	iereb. J	ernel, Jan., 18
In 1834 the excess was	muco la	rger : Males		***
		Females	. •	979,879 926,801
		r cusarca		240,001
				1,908,678
Douthe		Males		657,922
		Females	٠.	635,176
				1.000.000
				1,292,998
Excess of hirths				. 615.000
	•	•	-	

nele year did the increase approach to the condition of nie - that the excess of births should amount to a twentypart of the population. The highest difference recorded not one third of the required number. *

's have a test of the Malthusian ratio, and an indication stare's practical law of population, in the census of the a and deaths of the kingdom of Prussia and duchy of Linia for sixty-four years successively, from 1693 to 1756, mive, collected and published by Sussmilch. † In these r-four years, the births exceeded the deaths by only a more than one fifth part of their own number, instead of g, as the geometrical ratio required, according to the rule ive stated, twice and a half the deaths. So that, in these y-four years, the births, although nearly one million and a only added to the population in all this time a few more three hundred thousand. This was the actual result: in two of the earlier years, 1709, 1710, a pestilential distook off about twelve times the usual number of the andeaths 6 The fatal cholers, which has traversed over

If Russia has now fifty millions of people, her annual surplus of a should be two millions for the doubling ratio. Mr. Sadier has printed these, from Sussmilch's German tables. in

ki voi , p. 197-201. The births were-for

* We ner 11 1100 11 100	_						
34 years			1698	to 1716	:		545,096
26 years			1717	to 1742			550,008
14 years		•	1743	to 1756	•		264,241
64							1,488,365
he deathe for th	e =	ame v	cars v	vere			
10 years			1693	to 1702			147,180
6 years	•	•		to 1708			96,563
Pestilence	•	:		1709			59,196
Ditto		•	•	1710		·	189,537
DEG	•	•	•	1711	•	•	10,131
			1710	to 1716	•	•	59,920
5 years	•	•	4/14	(0 1/10	•	•	30,520
34 years							563,547
			1717	to 1742			377,667
95 years	•	•		to 1756	•	•	242,606
14 years	٠	•	1190	m 1100	•	•	212,000
							1,183,920
							· · · · · · · · · · · · · · · · · · ·

More births than deaths One fifth of the births would have been 297.673 The two years of uncommon disease caused 247,733 to die, instead bout 20,000, nearly the annual average of two other years.

304,515

most of the countries of both Asia and Europe in our times. shows that visitations of this nature should be taken into our consideration when we are investigating the natural laws of population, because they have been, in all ages, among the contingent but occurring elements of its real system and of its practical law. In various shapes this operation of disease has been made to attend all human societies at different peri-The morbific principle takes various forms. Plague. yellow fever, smallpox, sweating sickness, cholera, and other maladies have respectively been the fatal instruments of wausual deaths. But if we exclude the whole of this extraordinary mortality, the excess of births beyond the deaths, without it, will still be only one third of their number, and one twelfth of that third, in all the sixty-four years.* Whereas the rule we have suggested shows that, to accomplish the geometrical ratio, their surplus ought to have been twice and a half their amount in every twenty-five years. My final inference is, that the Malthusian law has never acted on human society, and is not the law on which Providence has founded it or by which he multiplies it.

By this standard the Malthusian theory may be always weighed, and will be always found wanting. We may say to those who befriend it, Search and adduce, if you can, a series of population for twenty-five years, in which the annual births have regularly exceeded the annual deaths by a twenty-fifth part of the whole nation, or that they have been continuously, for that period, two and a half times the deaths. Until such a series as this can be found, our disbelief of the geometrical increase will rest on a solid foundation.

As it is not the law by which the Divine wisdom has conducted, or still conducts, our national populations, no experience will thus verify it in his natural course of things. But as he always acts miraculously or supernaturally when it is a part of the plan to do so, I would have you keep in mind that he can accelerate and increase the agency of all his natural means and powers whenever he deems such miraculous effect to be fitting. He seems to have acted thus towards

Deducting 227.733 for the pestilential deaths, this number would be reduced to 250.087, which would leave an excess of births of 532,278; one third would be 496,121, and one twelfth of that third added would make 537,474.

he Jewish people, after he had settled them in Egypt, until a was pleased to withdraw them from their slavery there, as a sterward sent them qualls and manna by an extraordinary operation in the wilderness. But when he had completed their emancipation, he withdrew these extraordinary sencies, and left them under the course of his natural laws. He may have also made his laws of population more active than he intended they should afterward be in the first generations after the deluge. A lioness bearing four whelps at three years old, instead of one or two at the age of five, shows how easily the action of his natural laws may be increased even by natural means. How much more whenever he chooses to give them a special impulse!

But we must never mistake a natural possibility for a natural law. Some facts in my first volume showed what extraordinary powers of problic vegetation sometimes appear in particular metances, indicating what the Creator might, if he chose, cause all our nutritious plants to exert. But this supernatural fertility, though it proves that the vegetable king dom is so framed that whenever necessary it can be urged to produce so astonishingly, is not that gereral and practical law of vegetation which he chooses at present to form and govam it. Extraordinary superfetations occur occasionally likewise in the animal classes, showing the same latent power. but by their rarity evincing how strongly this ability to produce is restrained and regulated. The same natural possibility of what is now a supernatural productibility, whenever it takes place, appears sometimes in the human race, proving by its very novelty that it is not the natural law; f such inci-

[·] Ane val 1, lett. IV.

t Every year we hear of occasional instances of three or four children as borth in our own metropolis. The late "hab of Portal is stated to have had by his wives above 30 children. But the most extraordinary profice from one wife is mentioned in the Russian Journal, "Severings Packeter." I give the facts as I read them; I have no other authority.

in 1775, Jacob Kirdo, a Russian, was the father of 57 children by one wife, all of whom were living. The wife had, four times, four children at a birth; seven times, three children; and ten times, twins. He married a second wife, who had once three children at a birth, and six times twine.

I find another Russian signalized for this uncommon fecundity, which I copy for you as I find it printed, without any further knowledge of its authorities.

sulfamilietty.

Pour Limns she had four children; saven times, three; sixtest times.

dents likewise marking to us, that, as such things manually place in human nature as well as in animals and vegethere must be a steady governing superintendence of prince the universal result, which suits in each countributed and improving state, keeps the numbers and the in a constant mutual adjustment, and has hitherto bear favourable to our social comfort and to national progression.

If the Malthusian ratio had been the created law of a multiplication, the world would have been overwhelmed with immense masses of its population even before the Claim era had begun.*

twins. It is verified by official documents, that on 27th February, 18 this man had had 57 children, of whom 53 were then living.—Standar 234 Jan., 1634.

I have no means of verifying these statements or of disproving thems but I may remark, that all these cases show that the possible is not the natural. The possible may happen and may not; and when it goes by youd the natural, is exceedingly rare. But the natural is the communevent, and is no continually occurring and onark it-off to be the ordinary and the established law, with which the ultra possible should never be confounded.

* An easy calculation will show that the population of the world has never been conducted or permitted to occur upon the geometrical rates; for if it had we might say, almost without a hyperbole, not merely that the producible food would not have sustained the marvellous amount of the generations that would have been born, but that the surface of the earth would have hardly contained them.

At the cessation of the deluge there were six parents for the renewal of mankind

Now, supposing that, by the Malthusian law, there was a regular doubling every 25 years, observe the enormous figures that soon arise. The delaye occurred in the 1659th year of the world.

A. M.				PER	BONE.	A. M.				PERSONS.
1656					6	2031				196,008
1661					12	9056				393,216
1706					24	2081			-	786,438
1731					48	2106		- 1	•	1.579.864
1756					96	9131	•	•	•	8,148,790
1781					102	2156	•	•	•	6,291,456
1806					394	2181	•	•	•	12,582,918
1831	-		•	•	70H	2205	•	•	•	25,165,894
1866	-		:	•	1.536	2231	•	•	•	50,331,648
1881	•	•	Ī	•	3.072	2256	•	•	٠,	00,663,296
1906	•	·	•	•	6.144	9281	•	•		00,773,290
1931	•	•	•	• ,	2,946	9306	•	•		02.653.184
1956	•	•	•		4,576	2331	•	•		
1081	•	•	•		10,158	2356	•	•		k15,306,368
BUM	•	•	•		H.204	2330	•	•		10,612,726
24.00		_			6	1 2201	-	_	- 1	PT 1 200 / CE

42	PERSONS.	1 A. W.	PERRONA.
,	- 448,450,944	2631 .	3,994,534,663,399
M	12,894,901,999	2066	6,597,069,766,656
₩,	\$5,769,1103,776	2641 .	13,194,139,533,312
M .	81,539,607,559	2706	26,344,979,066,624
₩.	. 103,079,215,104	2731 .	52,776,55H,133,24H
.	. 206, 154, 430, 2(IH	2756 .	105,553,116 266,496
M .	· 412,316,H60,416	2751	211,106,232,532,902
鱧.	. #94,423,790,H32	2906 .	422,212,465,065,964
# ,	1.649.207.441.064	1	,,,,,

where set yet reached the TRUJAN WAR, which is placed in the part of the world, and yet by this time, on the Maithusian ratio, presente of manhind would have amounted to four hundred and supers billions, two hundred and twelve thousand four hundred and eighty-fre millions, sixty-five thousand, nine hundred and eighty-

Perary on the computation to the accession of Molomon in 1014, which switch year of the world, the numbers would run on in the distinction in the computation in the

A. M	•		PRESONS.
901			844,424,930,131,966
2066			1,044,449,440,203,936
991			3.377,640,720,527,472
2000			6,755,390,441,055,744
2501			13,510,794,842,111,469
2956			27,021,597,764,222,976
25m1			51 013, 195, 528, 445, 952

Page last Aguren present to us the enormous number to which the un race, on the earth, nine years before the accession of Solomon, the area mounted if they had continuously doubled every 25 years, the result is a demonstration that no such law has ever been ested in hurran instinct; because nothing like even a millionth part is a quantity has been produced in our world.

issed law has therefore peopled it, nor may law of population in smallest degree approaching to it.

wif the law had been that population should double once in 60 years it would have caused the population of the earth at eight years besur Naviour's birth, to be 3,274,95,472 persons. The 60 years' dules would have made mankind in 892, the time of our Eghert and lemagne, no fewer than 40,243,021,179,936 persons.

y, if the doubling had been once in every century only, the populaof the world, even under this law of duplication every hundred i, would, at the accession of George III., or in 1760, have exceeded 5 139,600,408,432 persons, for this number would have evolved, at swingered valid, by the year 1752; and yet all the inhabitants at that on the globe were not the fifty millionth part of this amount, even is appaise that there were then one thousand infilions living on the

ere calculations prove that the doubling of mankind, by any fixed or ratio whatever, is no part of the plan or operation of our creabut that the human population is guided and governed by the ne will, with specific laws adapted to his purposes, and that it is yet, in every age and nation, acted upon and subjected to such as are most suited to it, and as tend to produce, after, or continue decess likewise marking to me that, as such things may also place in animals matter as well as in assumate and representation in the animals and representation makes made income of pages from exercisers, which makes that medicine degrees of all storing the universal result, which sums is constructed department as fitted and improving state keeps the numbers and me had in a constant mutual ad notices. And has increase been as favourable to our social country and to success yengeness.

It the Maltinesian ratio and been the created has of on many placition, the world would have been recentedined with the immense masses of its population even before the Chintan em and beginn?

and the second at the second

ewits. It is verified by official documents, that or fifth Polymans, 178, it is must not last if the direct of whom SI were then brong—document for the 180.

If you are no means of overficing these estatements or of dispressing them, but I may recently that all these reness others that the meanship as set the natural. The meanship has been and may become any may not and where a gase beyond the matter, is extremely play may. But the means in the committee of the meanship will be not not made to committee out and a set not meanship controlling as to read the the redustry and the extanded law, with which if it is in a possible obsesse means in our former.

At easy raintiation will show that the nominator of the world has mover been conducted at never time to our a new the geometrical number of the world has a new to the the geometrical number of that my might say, a move without a beneficial next moving that the need not been as moving that the endouble food would not have necessared the manyorchose smooth of the enterprise and would have been been, but that the marriage of the entry would have been been, but that the marriage of the entry would have been been.

At the resource of the design there were my parents the the population of manifold

Now, supposing that, by the Mathasons have there was a seguing doct my every 25 years, observe the entermoss furness that uses asset. The many accurred in the 1606th year of the world.

A 4.			PER	E CAL	A 4.		766 MAR
1454				6	231		146,486
i se				12	2004		. 340,216
				24	761		74.431
1.71	-		-	45	\$11.00		1,378,388
. 5:				*	2:31		. 2.164.76A
175.	-	-		192	2:34		6,991,498
1906				24	2:51		. 16.346.418
	-				23.K		. 85,145,289
: :0:			. 1	.336	2231		. MASLANI
**			. :	. ~ 3	بهيوه		Me 275 Mil
146				£144	200		944.346.346
: iCi					\$3.6		6/K,653, R/G
W.			3	1.5%	2331		2 X 200 200
i Æi				1.52	2336	•	1,614,614,734
SUCE			×.	YE.	2361		T-847 4.4

se which prevail in it when its forests have been reand its soil is in careful cultivation. This is pulpable
aight. The laws of nature, in marshy ground, cease
appear as soon as it is drained. Those which inflicted
it and the agus are acting no more, while those of
y and of nutritious vegetation occupy their place. The
runs through all the stages of population. Each of
es has its several laws and several results. The laws
and death are always essential parts of the laws of
ion; and, therefore, however desirous we may be to
sut for one general law, we shall see sufficient reasons
sive that populations will always be governed by the
their place, age, and condition. No general law set
are rullifies these; but those are the real operating
a to which our attention should, in every instance, be

are, indeed, some universal facts connected with on which may be referred to a settled anterior plan ized universal laws, everywhere operating to produce such as the following :- Population arises only from ental association, and always from the mother; and a be mothers before or after particular ages. All beat first as balos; and these are born in that wonderful between the sexes which alone is sufficient to mark a and directing government of human nativities. To re may add the laws, as uncousing, that all who are all die, and that all shall not die at the same age, but diversity of duration, from one hour to one hundred We also find it a general rule or law, that though pale may be in tune a father, and every female, in L for a limited time, he a mother, yet all men and do not become parents; nor does every mother that dren introduce into accest the same number of them. ble to rear up to maturity all or the same proportion of them also nurtures. These circumstances are of such al ubiquity, that we may call them effects of laws, ar everywhere, which have been specially appointed to them. To general laws of this sort, and to a few I this kind, population is everywhere subjected; but all such the laws of it become limited, local, and parlaws, and never such a one overruling or overwhelming the Malthueum theory suppreses. Thus, indeed, has a W.—H

LETTER XI.

The Populations of the World are all in different States, which imply different Laws acting in each.—The three Elements of Population are Marriages, Births, and Deaths.—All linked and adjusted to each other in the Plan and System of Creation.—On the Ratio of Marriages, and of Married and Marriageable Females in various Papulations.

MY DEAR SON,

Let us now endeavour to trace the real laws by which our Creator and Preserver carries on, guides, and modifies the various populations of human society.

As we cast our eyes around in the world, we see that they are everywhere existing in different states—in states so different in all their circumstances and results, that the same laws of population cannot be equally affecting them; because, as the same effects do not occur in every one alike,

the same causes cannot be producing them.

Society appears to have been always in this diversified condition. Our first conclusion, therefore, is, that as the same laws cannot occasion dissimilar results, the laws of each state of population are peculiar to that state, act in it while that state lasts, and alter into others as the condition of the society changes. The human body is an instance of this ma-The laws of its childhood act while that lasts: these of its youth then take their place, which are succeeded by those of manhood, which again give place to those of old age, if the individual lasts so long, till the law of death comes on, and terminates the action of all the laws of life. Thus it is with the population of mankind. The laws of it, in the savage state, operate while that condition lasts; but, as that gradually changes into the civilized form of human life, the laws of population alter into those which have been appointed to act in the newer state of the improving society.

The same changes occur in material things. The laws of nature, which are in full action in an uncleared country, are

its existing state; and that it never will be sufficed to be anywhere what it ought not to be.

not those which prevail in it wast its forests have been semoved and its soil is in careful cultivation. This is painted. to our sight. The laws of nature, it: maren, ground, cease and disappear as soon as it is drainer. I have which inductes the fever and the ague are acting no more, with time of salinbrity and of nutritious vegetation occupy their place analogy runs through all the stages of population Lact 0 the zones has its several laws and several result-Tue was: of life and death are siways ements, parts of the mas of normation; and, therefore, nowever degroup we may be to search out for one general law, we shall see sufficient ressour to perceive that populations will always be governed by the laws of their place, age, and condition. No genera, as an nersedes or nullifies these; but these are the reso operating agencies, to which our attention amould, in every material, be turned.

There are, indeed, some universal facts connected with nopulation which may be referred to a settlet' anterio: pia: and to fixed universal haws, everywhere operating to produce them; such as the following .- Population arises only from the parental association, and always from the mother suc none can be mothers before or after particular ager. Al. ingin life at first as babes; and these are born in that wonderin equality between the sexes water, atom is sufficient to mare a planned and directing government of numer, nativities. To these we may add the laws, as unceasing, that all who are born shall die, and that all shall not die at the same age, but at every diversity of duration, from one nour to one numbered years. We also find it a general rule or law, that though every male may be in time a father, and every female, it. due age, for a limited time, be a mother, vet al! mer and women do not become parents; no does every mother that has children introduce into society the same number of thou. mor is able to rear up to maturity all or the same proportion of those whom she nurtures. These circumstances are of suc: perpetual ubiquity, that we may call their effects of laws. operating everywhere, which have been specially appointed to produce them. To general laws of this sort, suc to a few more of this kind, population is everywhere subjected . but beyond all such, the laws of it become limited, local, and particular laws, and never such a one overruling or overwhelming law as the Malthusian theory supposes. Time, make to Vol. Ш.—Н

proof of its being imaginary, in the circumstance that it has never had such a universal individual operation as it ought to have had if it had been a universal law; for every woman does not produce children in a geometrical ratio, as she ought to have done if that were a real law in nature, or in any other fixed or invariable ratio. The laws of nature are constant in their agency, and are not partial or capricious in their effects; for, whenever the effects are of this character, they indicate that no one law can be producing them.

An average is not a law. An average result is an artificial deduction from many different effects; and many different effects imply, by their differences, that they are not the consequences of one universal law; for that, in the same locality, and under the same surrounding circumstances, ought never to vary in its operations and productions. That all births shall be from women, and that women shall always be nearly one moiety of mankind, and such like events, are constant effects. marking, by their uniformity of occurrence, that they arise from fixed laws of universal force and agency. But I do not perceive one acting law of population on this character. the contrary, the state of it, and the individual effects which constitute that state, are so varying as to imply that meny causes are in operation to produce them; that their agency is complicated, though never confused, and that the results are everywhere the particular effects of many means; while the harmonies, and adaptations, and utilities which they display are continual evidences that both the causes and the consequences are under a moral and intelligent government and adjustment of a provident wisdom and a benevolent care.

The state of every population is the complicated result of the combination and operation of three main elements, which are inseparable from it, and have always accompanied and composed it. These are MARRIAGES, BIRTHS, and DRATES. All these are naturally linked together, and cannot be severed. All that are born are born to die; and none can be born without the connubial association. It is a verbal distinction that misleads to call one of these the law and another the check. Each has its appropriated laws, and works out by them its appropriated and independent effects, each equally important to the other. The laws of death are of their own kind, quite distinct from those of birth, but as powerful and unceasing, and ordained to be their perpetual alterdant. The laws of

of a dissimilar nature, and confined to the production a life. They have no connexion with those of death, of their own peculiar and independent character. re of the union which occasions births, and by them death, and provides in them the subjects on which so of death have to operate, are, in their turn, unlike f the other laws, and arise from and depend upon and circumstances not resembling those of either birth. The laws of marriage are therefore as requires and

. The laws of marriage are therefore as peculiar and dent as any other law of nature is. Marriage and sy as well be called the checks to death, as death the e birth. All are the results of separate laws of nadtheir laws are of equal importance, both in magnid agency. All are alike fundamental and indispensions.

state, increase, and decline of every population are the joint effects of the concurring agencies of all the sws; all these co-operate to produce the elements, a, and materials from which it arises. It is their ection which causes it to be as it appears, and is ever the living results of which it is successively composed. will briefly consider each of these elements, beginning at of Markhaus.

desire of marriage may be deemed universal, but the of that desire are not so, because all do not marry; the consequences of marriage either universal or universal at that marry do not have children; and those we issue have them with a diversity in number and in arability which is not at their command, but which lace independent of their will and choice, and very freat variance with these. The connubial association sfore, manifestly under no single law, but is under the mand control, and deciding operation of several other causes, co-operating with the desire, or opposing it, making it to these more powerful regulations.

variable operation of the law which occasions marriages ingly shown by the varying effects in the different loss of the same country, and in different years in the same in, as well as on the different individuals who prefer or to marry or to live single. Of the three elements, it only one which is left to human choice. The laws of as to buths and deaths take their own course, and

EXECUTE AND STREET STREET AND ASSESSMENT STREET AND ASSESSMENT STREET AND ASSESSMENT STREET AND ASSESSMENT ASS

If there is any me as a structure concerning manning in many te said to be that there shall be to successfulling in more to the content wast. The submaning in more result that it shall be set a source as because with an eff most generally to the tree will of the instructions that series, to motive, indinge, or result that the trace is asserted as each finite to be most constitution at the tames to make at all matter that, interest it conduct. Perhaps another apparent fact might be placed almost in the rank of a general has a mis surface, and this is, that every particular macronic that fremme more on the choice and determination of the make all man in that if the female. The make is every achieve the proper if the informal because he is the average and the matter of the content what has been atmostic. It is the acquirescence or the perhaps wastern and been atmosticed to the remains of the present what has been atmosticed to the remains of the content what has been atmosticed to the remains of the content when the perhaps of the perhaps when the perhaps were an interest of the perhaps when the perhaps were an interest when the perhaps when the perhaps were an interest when the perhaps when the perhaps were an interest when the perhaps when the perhaps when the perhaps were a perhaps when the perhaps when the perhaps were an interest when the perhaps when the per

The variations it imman coolers on this measures subject and the immediate investment in the world, may be necessarily in the world, may be necessarily what has been presented in our own country concerning them. Here we than indicate marriages fractions every wear ways much own in immer and in their proportion to the country paper amount. The respected marriages in England and Walter form 1900 in 1800, were in my year allow. Now was the

•	Mr. Lie		22.00	Series: Marie	James stagen		**	à Park	-
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Showness always that of a gradual sugmentation as the people increased; but sometimes becoming as they were more increase. The largest amount was in the year 1838; but the distributed by nearly 7000 in the next succeeding year, and was not equalled in that which followed.† Yet, compared in the descended periods, there was always a steady advance, excuspending with the multiplied population.‡ So, notwithstanding these annual variations, yet on a medium average of every five of these years, the amount was also found to show that, on the whole, during this space of time, there were always marriages as there were more people. This is such a natural yearst that we cannot doubt it to be universal.

1007				83,923		1819				96,871
			-	82,248		1820				96,003
		-		83,369		1821				100,966
	•	•	-	164-470		18922	:			96,878
	•	•	-	86,349		1823				101,918
	•	-	•	902,066		1924	-		-	104,783
1012	•	•	:	53,860		1895	:			110,498
-	•	•	-	92.804		1896	:	•	:	104,941
	•	•	•	99.044	ı	1827	:	•	•	107,130
	•	•	•	91,946	i	1898	:	•	:	111,174
1417	•	•	•	HS 234		1820	•	•	•	104,316
1616	•	•	•	94,779		1820	•	•	•	107,719
		•	•			.,	•		•	

Thus, in the twelfth year, when the numbers of the people had been usingset by the addition of more than a tenth, there were above 8000 februar marriages then in the second year; for they were, in 1818, 80,383. So the seventeenth year was 11,700 less than the fifteenth. They were, in 1817, 65,324; and had been, in 1816, 68,844.

1 100, 111,176; 1800, 104,216; 1830, 107,719.—ib. The letter still the carrier year.

1 1000		•	•	. 9,197,176	
1810				. 10,407,566	
jeso				11,957,565	
				. 13,840,751	
	•		•	Rickm. Popul., ib., z	dv.
6 Thus the m	errieges	WOTE-			
Press 1801 to	1805			. 83,465	
1/106 to				. 88,963	
1811 50			-	89,018	
1816 to				93,073	
1861 to			•	103,263	
1996 10			•	107,066	

The exception occurred between 1805 and 1810, when, instead of there being move marriages than in the five preceding years, there were 515 hour; but is each of the four next quinquential periods there was a pended supermentation, though not in the same degree; for the becomes

Yet still the practice of mankind differs very much in the amount and proportions of their matrimonial unions. In Rickman's calculations have ascertained that the average of all the marriages in England and Wales, during the last five years of our latest census, was, that one had taken place is every 128 persons in the population.* In each year two persons out of this number had united themselves together. But, on looking into each of the counties of England, we find that the wedding disposition greatly varied; and by all the proportionate numbers between 103 as in Middlesex, and 17 in Hertfordshire. Scarcely any of the counties were alibe in their proportions. Thor do the dissimilarities seem refer able to geographical or statistical causes, so much as to indi

during the five years from 1821 to 1825 was at the rate of 10,000 beyon the preceding term, while in that and in the subsequent one the advanwas about 4000 only.

* The ennual proportion of marriages to the population during the last five years preceding 1831 was one to 126 in England.—Rickman, in.

p. xxxiv.

† Mr. Elckman has given a corrected table of the annual proportion e all the marriages to the population of England in the several countie between the years 1796 and 1800, hetween 1806 and 1810, between 1816 and 1830, and between 1836 and 1830, separately enumerating them, p xxxii.

‡ The proportion between 1826 and 1830 may be classed according to

Middlesex			103	Rutland .			137
Lancaster			115	Suffolk .			137
Gloucester			117	Durham .	:	•	136
York, East Rid	11	•	118	Chester .	•	•	130
TOTA, MARIE INIU	in its	•			•	•	
York City and	AID	цy	113	Norfolk .	•	•	130
Warwick .			190	Salop .	•		146
Nottingham			193	Bucks .			140
Cambridge			123	Dorset .			140
Stafford .		•	126	Oxford .		-	141
Leicester .			127	Sussex .		-	143
Worcester			127	Kent .			143
Surrey .			129	York, North Ri	ding	• •	144
Bedford			129	Cornwall .		•	147
York West Rid	ing		131	Somerest .	•	•	147
Southampton		•	131	Wilte	•	•	146
Monmouth	•	•	131	Berks .	•	•	
	•	•			•	•	149
Huntingdon	•	•	131	Hereford .			158
Devon .			132	Westmoreland			152
Lincoln .			134	Essex .			154
Northumberlan	d		134	Cumberland		-	163
Derby .			135	Hertford .	-	-	175
Northampton			135		Ric	km.	xxxil
Man accompany		است		ab of the ashes the			

The comparative proportions in each of the other three periods of give years differ from these and from each other in nearly every county.

chaics and will. Bron the average of weddings, taken my five years, diffused likewise in their several ratios.* I we extend our view to other countries, we find similar se in the proportions, and yet greater approximation al results. In France, in 1937, the annual marr all France were calculated to be one in 128, but a its eighty-six departments from 1 in 109 in the rtment, to 1 in 198 in that of La Manche. † The ier seventeen years in France was 1 in 131.7 In

la, from the largest number of 1 in 90 in the Province of here, to the smallest quantity, or 1 in 165 in East Flanders, T mrative average of the proportions of the whole, in all escuation taken together, was as one to 123 between 1795 and 1800; to 121 between 1806 and 1810; and one to 127 between 1816 and 1830. mouthables had fewest marriages in the first five years, being only a 100; and Middlesex so many so one in 95; and, in the next five

he matic differed from 1 in 110 to 1 in 142.6 In Denit varied from 1 in 123 to 1 in 128 : I and in the Nether-

, one to St.-Ricken, St. 1 The "Rovus Encyclopedique" states these results from the Ordon-

leine, including Paris, 9-20 in 1000, or 1 in 100. 13 departments, between 8-61 and 8-02. M ditto

0 and 6-10.

The lest number, the smallest, was the department of La Manche, there is in 186 only hed married.—Bull. Univ., 1938, p. 17.

2 Prem 1817 to 1832.—Mr. Porter's Energy for the Statiest, Suciety.

5 Upen on avverage of farty years, ending 1919, in the Alpine regions it mes 189; in the lower districts, 162; but in the middle regions, these und the meanutains, it was 1 in 118.—Bull. Univ., 1831, p.

LAC. FERRI WAR		56 1	t corus	CHILDRICH C	control of the	_		
1796 to	1800				l in	123		
1806 to	1810				ai 1	121		
1816 to	1830				l in	127		
1896 to			1		1 in	196		
The differences	in the	DR	vinces (f the Netherl	ande a	no the	8 61	-: beted
Zeelend .	•	•	114	West Flan	dets	•		136
North Holland			104	East ditto				165
South ditto			113	Antwerp				143
Utrockt .			118	Hainenit	•			136
Overyanell			198	Liege	•			154
Prime .			129	Limburg	•			90
Greeingen			149	Laxember	E			190
Guelder .			131	Namur	•			151
South Brahant			143	Dreuck				130
Marth ditte	•		150		leader	, 1 0.	۳,	p. 449.

The diversity is as great elsewhere. Of all these mentioned proportions, the two extreme limits seem to be 1 in so and 1 in 175.

Our own average proportion of 1 in 128 may be taken as the most general medium of the number of annual marriages in a very prosperous and civilized community; but at this rate, only one fourth of the whole population would have married in thirty-two years: and if every marriage had an average of four births, which we shall see in our next letter to be a fair general medium, all these marriages would produce to more than would be sufficient to replace the departing generation, without adding to it; and if we allow a generation to last, on the whole, for thirty-three years, the addition would be but a hundred and twenty-eighth part. Hence, with such a ratio of marriages, it is impossible that the geometrical ratio should occur.

But while the proportion of marriages in every country. and in every part of a country, is left to the arbitrary will of the one sex to propose and the other to accept, and to all the variations which occur from the differences and fluctuations of individual inclinations or decisions, yet there are obvious limits in the practical exercise or effect of these determinations. These limits appear in the two extremes of the proportions in which marriages take place, which I have just noticed as the greatest and the smallest of those I have referred to. I cannot state, with decisive precision, what the very lowest and highest of these two extreme numbers are; but I can say that I have not found marriages anywhere to be in number so great as 1 in 80 of a community, nor so few as 1 in 190 anywhere. These great extremes rarely occur. The more name proportion seems to be, that from 1 in 100 to 1 in 140 of most civilized populations annually enter into this state. most numerous proportion, you will observe, does not anproach the possibility of producing the geometrical ratio, and therefore the quantity of marriages in any country need nevel alarm us into any discouragement of them.

But there is one decisive limitation to marriages, universally produced and universally maintained, by an unvarying law of nature, specially appropriated to this subject, and fixed

^{*} Thus, in Iceland, 1 in 123; in Russia, 1 in 126.—2 Sadler, 66. In Sweden, 1 in 112; in Norway, 1 in 130; and in the Pays de Vend, 1 in 148.

is the human frame at its primeval creation. Its srithmetical elements in the antediluvian world have not been recorded. But, from the renewal of mankind after the deluge, they have been found everywhere to prevail with sufficient uniformity to be received as general certainty.

This limitation is, that the maternal period of the female sex half he, in every one of them, only for a portion of her life. The beginning year and the ending year of this vary with the imate; but the duration of it is very similar; and we may to thirty years as the average of its general continuity. und possibility of becoming mothers lasts, in our regions, ten fitteen to forty-five years of age. In the eastern and no trenical countries, it commences and terminates sooner. at the ages above mentioned may be considered as the ordimry limits of the maternal state. Consequently, the increase f the population anywhere can never be greater than such as portion of its females allows who are between these s. Let us, then, first consider what portion of women in a ciety are usually in this period of their life.

In North America we find, from the census taken at four decennial periods, that in 1800 above three eighths of the females were between 15 and 45; and nearly so in 1810. Rather more than the same proportion appeared in 1820.1 In 1830 the census table, stating the ages, gives them in a different division, and makes no distinction between 40 and 56. I cannot pursue the exact comparison there, but the three preceding proportions will be sufficient to reason upon. These three eighths of all the American women have had to resteduce a new generation of as many as themselves, as the ether five eighths of their own sex and as all the male popula-

^{*}The white population of 1800 were found to contain \$,115,421 females; of these, the females of 16 and under 46 were 809,780; three sightles of the whole females would be 705,897.

The female whitee in 1810 were \$,872,980; and of these, 1,105,924 were the females of 16 and under 46; three eightles would have been 1,877,728.

¹ in 1880 the white fermiles were 3,860,657; of these, 1,517,971 were of 16 and under 45; three eighths of the whole would be 1,449,995 § The white population of 1830 contained 5,167,999 femiles; of whom these of 16 and under 40 were 3,005,940, or two fifths; for two fifths of all the females would have been 3,005,918. Those of 40 and under 50 were 255,450 more. Taking half of these for 45, the number of 15 and nader 45, an recknowle, would be 2,946,552, or less than fear nimits of all, as that preparties would be 2,946,579.

tion. We can reduce all these to precise numbers, and, when we do so we find that every American women between 16 and 45 must produce 4 1-4 children, in order to replace the existing population and to prevent its decline. Thus, if every American woman who could have children, were to have 4 1-4, they would only keep up the population, but not at all enlarge it. I take America as the strongest, case that can be adduced on the subject, and also as that in which the numbers have been so distinguished as to afford the elements of an exact calculation.

Let us see next what a country in the Old World, on the German continent, exhibits on this subject. I will take Saxony in 1834. Her census has not given the numbers from 16 to 45, but it has noted them from 19 to 50, which we will take as the nearest substitute. Here we find that the same population could not be maintained, even without any increase, unless every woman between 19 and 50 had, upon the average, 4 1-2 children; but, as a large part of these would not be in wedlock, each of those who were must have many more than 4 1-2 each in order only to replace.‡ Thus

* The	whole	white	popu	lation	of	1800	of	both	86266	. (4,300,696 600,788
ar ar	nounted	to .	•	•	•	•	•	•	•	- 5	
Ded	acting fi	rom thi	١.	•	•	•	•	•	•	•	800,700

Leaves
as the number of all in the community who were not females between
16 and 45; this number is about 4 1-4 times the 809,760. A similar is
suit will be found from the amount of the other years, as stated in the

preceding notes.

In the state of New-York the census in 1825 returned the paysitation as 1,516,438, consisting of 822,997 males and 793,861 families. Of these females 351,634 were under 16, and of these above 16 the married were 200,481; and the unmarried 155,991. Thus the welder females were but one eighth of the whole population, and nearly est fourth of their own sex. In this proportion, those actually married could not replace themselves and the rest of the commantly unless the sext of the command the sext of the comm

each, upon an average of the whole, had eight children.

1. The whole population of Saxony on the let December, 1834, was 1,505,608, or 775,344 males and 830,434 females. The number of Saxony between 19 and 50 are thus stated:—

18 to 21	•	•	•	•	•	•	•	38,678
21 to 30	•	•		•	٠	•	•	134,457
30 to 40	•	•	•	•	•	•	•	110,192
40 to 50	•	•	•	•	•	•	•	87,780

251,200

4 1-2 to each of these would produce 1,580,850, being nearly 16,600 short of the actual population.

the should both in North America and Saxony seem to apminimate in this respect.

What facts have we on these points in our own country?
Here I do not find a table of the female ages between 16 and
the But Mr. Rickman has made one, with divisions, for the
pur 1881, that will enable us to take, as the nearest substition, either 15 to 40, or 30 to 50. Let us inquire into the
muchs of both. The results will be found to be, that every
warms between 15 and 40 must have above 5 children to replace the existing population; or every woman between 20
and 80 must, on the average, be mother to 5 1-7.* Yet as a
semiderable portion of these would not be in the wedded
data, the existing numbers could not be kept up, unless the
settally married had each as many as the American and
case assumerations required.

These three instances, so distinct in locality from each char, are such fair and sufficient specimens of the general process and course of the renewal of population, that it is not accessary to inquire for similar results elsewhere. These prove the impossibility of a geometrical population, and show by what gradual degrees all national multiplications must take place, and lead us to infer how much more likely population is to keep stationary or to lessen, than to make any great advances. Nature forbids the too rapid increase by her two laws—that females only shall give the new generations to society, and that only a peculiar portion of these shall, from the

ages required, ever be the producing mothers.

Our next point of inquiry may be, what portion of the population of a country is usually living in the married state; and the most common rate at which we can generally estimate this appears to be about one third. In some nations there are more than one third who are married, as in Spaint and

 The whole population in England and Wales in 1821 was 10,530,671, comprising 5,16,682 males and 5,379,619 females. Those of the latter harmon 18 and 60 are thus stated:—

1 Rick., xxxvii. Of these, the 15 to 39 inclusive are 2,086,414, and those from 30 to 49 are

The Bords stated the population of Spain in 1808 to be 10,409,879; and ther of these \$,800,861 were married; and of the unmarried them,

Saxony.* In others, rather less than one third, as in the Rhin provinces of Prussia; t in a French department; and a Net land province : and still less in New-York state. general average, we may calculate that about one third of whole are always living in the united state. This annears have been the case pretty nearly in England for the last years : ¶ and when this is the proportion, then one sixth of contemporary population are in the condition of become mothers; and this one sixth must be the reproducers of

3.257,022 were males and 3,262,196 were females. One third of a whole people would have been 3,469,959; so that the married wans little above 3 1-3.

* In December, 1634, out of the Saxon population of 1,595,668 were 566,837 married and 1,028,831 unmarried. The one third of all would have been 531.837.

† In 1828 the population of the Prussian provinces on the Ehine v 2,172,545. The married couples were 696,230 persons. The case of weald have been 794,181. The department of L'Aisne in Fran 1818, had 184,214 married persons out of a population of 459,656— Univ., 1826, p. 20. One third would have been 153,222.

† In the department Du Doubs in 1836 the population was 254,214; d the married of these were 82,871.—Bull. Univ., 1831, p. 238.

one third would have been 84,771.

6 Guelderland in 1824 contained 283,407 people; of whom 88.2 were then married.—Bull. Univ., 1827, p. 101. One third would be been 94,469.

Il In the New-York state, as before mentioned, the numbers of a were 1.616,458; and the married were, of course, twice the married women, or 400,962, which is not one fourth of the whole. So that, in this flowrishing province of the United States, men do not marry so H or no soon as elsewhere.

The standing marriages, if doubled, furnish us with the ame the married population in every year, as thus calculated on Mr. See list of them in England, vol. ii., p. 340. The marriages of the y

hibit to us these numbers :-

		MAKKIED.			PUPULATION.	
1781		2,457,444			7,473,608	
1791		2,635,972			8,175,006	
1801		2,850,554			8.331.434	
1811		3,270,816	4		9,561,888	
						_

The exact one third of the English population in each of would have been :-

1781 2,491,000 1791 9,725,00 1801 2,777,144 8,183,900

So that the married, in England, at each of these periods, were one third of the inhabitants, or rather less than one third in the two first ten years; rather more in the two last.

73

sention. Consequently, to do so every wedded fest, on the average, produce 6 children, in order to the population to its existing number, and more than his can be augmented. This is a large average, and insumetance hostile to the possibility of a geometrical ation, and indicative of the mederate ratio at which a increases, according to the natural lews of birth, a excitancy habit of marriage unions. It leads us to swise, that population has been much oftener states multiplying in the successive areas of the world.

has multiplying in the successive ages of the world. limitations show that our system has been formed asseful plan as to this great point of our population. In implies and indicates regulation; for when naturalises and their effects arise from specific construction, it that limits them but the constructer? and why a do so but for some purpose and according to some hand of an end steadily pursued. The existench a fact assures us of the superintending attention reaster to the subject so guarded; and we may thereconsident, that whether our populations increase or the elements and laws by which either event ensues yes obeying the direction of his guardian benevolence.

after remarks that the mean amount of the population of an made by Mr. Richman for the three periods of 1001, 101; is 0.078,500; and the total amount of the marriages of the whole 100,570—Bedfor, Law of Popul., vol. H., p. 190. Now one class can of the population for that time is 1,404,930; as that very a class of the living population married in the 20 years from 121.

he subject of the marriages, I have endeavoured to trace out to essecrateg them, and will add what has occurred to me in patient calculations.

dages are 1 in 100, and continue to be in that proportion for the which may be taken as the average devation of a generation, he course of that ceres of years, at that ratio, one third of the a will have married, and this persion or number will have all of the acceptance there.

of the seciety among them. Igally married, in the course of a generation, may be considered to \$3 1-3 times the annual number.

by then deduce as a rule, that mererding as the proportion of i in more or less than I in 180, so less or more than one third of pales are in the married state.

the main in 1 in St, more than one third are married; more, by

LETTER XII.

On the Proportion of Rirths to Marriages. - The Variation in . Countries.—The established Limits to these and usual Lan

MY DEAR SYDNEY.

The proportion of Births to marriages will be always of the chief laws of human population, because, as they s arise from the connubial associations, and are always per by the laws of death, they are limited by our natural both in their origin and in their departure, and must the be duly adjusted to them.

More cannot arise than the marriages allow-more can be at any time on the earth than the local, natural, and the porary laws of death permit, in every district. fined in number, on either side, by causes over which have no control, the continuance, as well as the increase the human race, will depend principally on the course ratio of the nativities to the wedlock of the parents of community.

From this glance at the real state of this subject, yes reason will perceive that the births of the human race is every country, require the adjusting and providing care, only at the commencement of the creation, but always The adapting government must not cease as long the human race are to continue here under their present spe tem of being. To make continued care on this point necessary might have been easily effected by establishing as a universal and invariable law, that every woman in years of marriage, should everywhere, invariably, have the same number of children; and consequently, that ever marriage should always have one ratio of births, proportions

one tenth of the one third. When the ratio is, as in England, I in 3 then less than one third are married; less by the difference of a he and twenty-eighth part to a hundredth part.

The births, if known, multiplied by their proportion to the population, will give the number of these; and this number, may by their ratio to the population, will, of course, show the whole a of the community.

When the documents are not complete in all the showers

may assist the calculations from them.

to the years of its duration. But this fixity of number and ntie has been universally avoided. It is one of the laws of Providence on this subject, that every woman and every marthen shall not have an equality of offspring. The annual her of human births and their proportion to marriages me never uniform; not only as between country and country, but as between one part of the same country and another pertion of it, and also as between individuals. There is noin like a settled and unalterable ratio in this respect any-

Prem this established diversity, deep seated in the very hution of human nature, the inferences may allowably be me, that the Creator did not mean to make his future attion and superintendence unnecessary; and that, so far maxing a geometrical or any tyrant ratio over a subject so expering individual as well as social comfort, he has supercly left this in a free and floating state, unsubjected to g compulsive necessity, in order that he might always shape modify it, as his plans should require, as to each comity at large, and as his personal providence and administion as to every one's domestic life should deem it to be **dividually** expedient.

The proportions of births to marriages continually and universally differ. I will select a few instances from authentic

istrations to show this remarkable circumstance. The variations in human births fully appear in those of our During the thirty years preceding our last consus, they were never in the same annual amount, nor alwere in a steady progression with the increase of the popun, though, in the general series, they sugmented with it. These occasional vibrations may be seen in Mr. Rickman's eccepte detail.*

The proportion of these births to the marriages of the cor-

in England for thirty years, between 1801 and 1830.

100	1		=-			,,	,			,
			_		227.020	1810				90 8,853
	:	•	:		273,837	1811				204,857
	:				204,104	1819				901,954
	•	•	- 1		204,502	1813				. 314,432
	•	•	-		909,901	1814				. 318,506
	•	•			201,920	1815			-	344,931
	•	•	•	:	200,204	1816	:		٠.	\$30,199
	•	•	•		984.074	1817	•	•		\$31,563

200,000 1818 .

responding year is at times very strikingly altered.* variations are also sometimes observable, if you compare the nativities of the following year with the weddings of the ceding one;† so that, whichever way you view the su diversity, and not fixity, has been the law attached to m in this department of its operations.

The average proportion of births in England to the see-

1819					333,261	1825					375,003
1820					343,660	1826					360,413
1821				•	355,307	1827		•	•	-	374,136
1822	•	•	•	•	372,571	1828	•	•	•		302,654
1823	•	•	•	٠	369,760	1899	•	•	•	•	200,265
1824	· .		i. a	07.4	371,444	1830	rm.	-:-	•	•	361,000

Here we find an increase, in the second year, of 36,808, and in the sext of 20,271; then augmenting 484 only in the third, and sinking 2001 in the fourth, and 288 more in the fifth, to rise in the next by 63 to lessen again 4220 in the following year. Similar vaciliation amid a general augmentation, which afterward ends with an i of births of 145,031 in the last year beyond the number in the first this series.

•						_	in Pas	-14		1000	1000	
		reg	meren	шы	rnag			land fro	710	TOOM TO	1930	
	1801			•			,288	1816			•	. 91,546
	1802						,396	1817				. 86,231
	1803					94	,379	1818				. 92,779
	1804					85	738	1819				. 95.571
	1805					79	.586	1820				. 96,633
	1806					80	754	1821				. 100,868
	1807	_	-	:	-	81	923	1822			-	. 96,878
	1808	-	-	:			369	1823				. 101,918
	1809	-	-	-	-		369	1824			-	. 101,723
	1810	:	·	:	:	84	,470	1925				. 110,498
	1811	:	•	:			389	1896				. 104.941
	1812		-			82	,066	1827			-	. 107,130
	1813	:	:				.860	1928				. 111,174
	1814					92	.804	1829			-	. 104.216
	1815					90	.944	1830				. 107.719

The amount of all these marriages for these thirty years is 2.794.644.

-Rickm. Pop. Abet., vol. i., p. xxxiv.

On comparing these with the baptisms of the same years, we i that to 94,379 marriages in 1803 were 294,106 births; while is year only 85.738 woddings had nearly the same number in 304.502; as in the following year still less marriages, 79.536, had 392.391 baptime while, in 1912, there were only 82.066 woddings to 301,054 births.

† Thus 84,470 marriages in 1810 were followed by 304,957 births in 1811, while near 2000 more marriages in that year had 2000 less ! tisms in the year after; so 8000 fewer marriages in 1816 produced 13

more births in 1817.

The differences between the marriages of 1815 and 1817, and the births of the consecutive years, are mill more stricking; to 90,944 marriages is 1815 were followed by 330,100 births in 1816, while to 86,504 marriage only in 1817 were 331,384 baptisms in 1818; that is, 11,710 fear w riages were followed by 1185 more births.

ulation was also found to differ in every county at every census; not only one county mostly from another our and frequently from itself, at the four severa decening periods. So the average summaries of all the counties put together at each enumeration, were dissiminate producing a continual difference in the relative numbers and proportions of the tierth to the amount of the population of the country.

But, although the average proportion of pirting to marriage in England varied in every county, yet the result of a wall estimated by Mr. Rickman, to be, that 44 conducts were upon the whole, the issue of 100 marriages, or not quite now and a half to each wedding. This may be taken as the present standard of England's contribution to the population of the world.

Let us now observe what the average proportion of orthonormarriages has been found to be a other regions of the work. We have a series of detached numbers for sixt-iour years as a the former kingdom of Prussia and duciny of Luthuama and in these we find that the lowest ratio was three sind one lifth and the largest and most recent a little more than five bottom to each marriage of making, or an average of all the sixterior years, four children, and a quarter to every wound; in that population.

* See Mr. Rickman's corrected table of the live years preceding each return, vol. 1., p. xxxi. The four first may be drive as a specimen

	•	17	96-18UC	1606-1510	itiu-ital	1700-150
Bedford		٠.	25	312	3:	3.
Berke			34	3?	3.	3 :
Bucks			3	30	32	3;
Cambridg	e		33	3 1	31	3.

* The four averages on each commus were for lett 30. for 1510

32 ; for 1520, 32 ; for 1530 . 34 —Rickit.

* Pop. Abst., 1831, vo. .. p. xiv. The maptionis were as \$40 to 100 marriages; but taking into account the forther tale were known as a to be inserted in the church registers. They were as above stated.

§ Sussmilleh's Tables, copier in Sadier, vo. 1 . ; 18°, turmen us, or calculating from them, the following sumus averages.

| 1693 to 1697 | 3 2-5 pirtus | 1727 tt 173 | 4 2-4 birtus | 1732 tt 173 | 4 2-5 pirtus | 1732 tt 173 | 4 2-5 pirtus | 1732 tt 173 | 4 2-5 pirtus | 1732 tt 173 | 2 2-5 pirtus | 1749 tt 1741 | 3 1-5 pirtus | 1749 tt 1741 | 3 1-5 pirtus | 1749 tt 1741 | 3 1-5 pirtus | 1747 tt 175 | 4 2-5 pirtus | 1747 tt 175 | 4 2-5 pirtus | 1732 tt 1733 | 4 4-7 pirtus | 1751 tt 1753 | 5 1-5 pirtus | 1732 tt 1733 | 4 4-7 pirtus | 1752 tt 1753 | 5 1-5 pirtus | 1732 tt 1733 | 7 1-5 pirtus | 1732 tt 173

In France, a succession of twenty years, from 1810 to 1839 inclusive, yields an annual average of above three and a half: and for five sequent years, rather more than one in four. One of the latest nearly four. \$\frac{1}{2}\$ So that from three and \$\frac{1}{2}\$ half to four children to every marriage is the regular average of the annual addition of the female world in France to the amount of its population.

Russia varies most in this respect in her different provinces: for in one it was not much above two. o and in another nearly five, while in that of Moscow it was above five. Three of the latest years that I have seen detailed, when its numbers have appeared to be most augmenting, vielded a ratio between five and five and a quarter. **

to every wedding; at four and a quarter they would have been 1.486.612. Divided into years, these numbers give an average of 5435 marriage and 23,256 births for every year, and this computation presents a similar transfer of the computation presents as the computation of the computation presents as the computation of the co lar annual average of nearly four and a quarter.

* The annual averages for these twenty years, from 1st January, 1816, to 31st December, 1829, were 49,885 marriages and 181,332 legitimate births. The ratio of three and five eighths would make 180,830; but if we add the 9687 illegitimates, the whole amount of births would be the annual average of 191,019, which are still under four to each.—Fer. Ball. Univ., 1831, p. 157.

† The five years for all France, from 1822 to 1826, present 218,917

riages and 892,677 births; four and one twelfth would be 893,911.

France in 1831 had 246,438 marriages and 986,709 births.—New Farm. Jour., Jan., 1834. Four to each would be 985,752. At Bordesux in 1826 the marriages were 883 and the births 3771, which are assity in 1926 the marriages were 893 and the births 3771, which are nearly four and a quarter to each wedding.—And des Chanps, 1837, p. 185. In the department of Douay, 1829, the marriages were 6740, and the legitimate births 29,239, a ratio of nearly four and one third.—Bull. Univ., 1826, p. 147. Haute Vienne, in 1826, marriages 2949 and births 9807, which are not quite three and one third to each marriage.—Bull. Univ., 1831, p. 157. Dep. Lot in 1826, the average was not quite fact and in Dep. Doube, 1829, it was four and a quarter.—Bull. Univ., 1831, p. 330. The Dep. du Nord in 1829 had 6746 marriages and 29,239 besitions to history of the control fit mate births, or four and one third.—Ib., 148. The statistical account in the "Revue Encycl.," May, 1825, and Oct., 1836, stated the rate for all France to be then 4 08. In fifty-two departments, from the Haute Pyrenees to the Somme, to be from 4.90 to 4.01; and in twenty-eight, from Pas de Calais to Calvados, 3.99 to 3.16. In three it was fve; and in two, 5:20 and 5:47.—Rev. En

§ In the bishopric of Pultowa, 1824, the marriages were 30,195 and

the births 65,706, or two and one sixth.—Hertha, 1825.

|| In the bishopric of Woronesk in 1824 the marriages were 16.967 and the births 81,675.—Ib. 80,592 would be four and three quarters.

In the government of Moscow in 1824 the marriages were 9934, the births 52,176.—Bull. Univ., 1826, p. 55. Five and a quarter births to each marriage would make 52,101.

** In 1833 the marriages of all Russia were 361,225 and the births

The kingdom of the Netherlands, now divided into the two. Helland and Belgium, produced four and a half in its southon provinces, and somewhat less than this in the northern enes.*

Part of Italy furnished various proportions from four to five t Some portions of Spain not much above three. I Mexico exabus a similar ratio.6 Silesia less than five : | and the Prusman Provinces on the Rhine three and one third : T while Portural had above five. **

The average in North America formerly, for fifty-four years. was under four and a half, according to Dr. Barton, tt Was

IMBAS.—Ht. Petersb. Journ., 1835. The ratio of five and one ninth would produce 1,946,461. In 1834 the whole marriages were 262,530, and the berthe 1,908,678.—Ht. Petersb. Journ., 1836. The ratio of five and a quarter would have yielded 1,913,992. By the census of 1820, Mr. meter remarks, the marriages are stated to have been 317,605 and the #270,599, vol. ii., p. 66. These are early five to a marriage. In #. Herman's account, quoted by Mr. Malthus, vol. i. p. 233, of the Mean places he mentions, the ratio of births is only three in seven of the season in all others; and in Tobolsk, five during four years; and in the next year, 1703, 6. Mr. Tooke's Table for 1709, etted by Mr. Malthus, vol. 1., p. 272, presents the marriages of that year as 257,513 and the births as 991,915. This is as 285 to 100, or under one in four, so that there was no constant ratio.

In the southern half the ratio was 4:57 to a marriage; in the terthern, 4:20.—Bull. Univ. Mr. Sadlor's list, taken from Quetelet, realies up to distinguish in this kingdom the different ratios of the Dutch and Flemmah provinces. In the eight Dutch ones, the proportion was from 4.50 to 5-75. In the Flemmah from Limburgh 2-09 to East Flanders

582.—Hadler, vol. 11., p. 449.
† Trease in 1925 had 410 marriages and 1976 births. The ratio of few and three quarters would give 1947.—Bull. Univ., 1927, p. 250.
In Plasance in 1924 the proportion was four and a half.—Ib., 1926,

p. 54. In Palermo, for ten years, from 1806 to 1815, 4:05; and from 1816 to 1825 the larger number of 5:4. Dr. Calcagni, in, 1847, p. 131 is the Pays de Vaud in 1825 the marriages were 1848. The births,

1974.-Ib , 1896, p. 138. At four to each marriage they would have hours 4992.

2 Barcelona in 1630 had 1137 marriages and 3762 births, or not quite

three and one third.—Ib, p. 55.
§ At Guennania, in Mexico, in 1825, the marriages were 6976 and e births 23,800; at three and one third they would have been 23,253.-Brandy's Mem. on Guanaxata

Milenia in 1934 had 90 924 marriages and 100,143 births; four and three quarters would give 90,269 births. - Herths, 1825.

In these Rheniah provinces in 1928 the marriages were 17,137, the icrias 79,361, - Buil. Univ. 1930, p. 425, nearly four and two thirds.
 The ratio of Fortingal, according to one account, was 5.10.

ff Dr Barton's average of fifty-four years in Massachusetts was 521 marriages to 2247 births, which gives a ratio of not quite four and one third to carb. - Traus. Atu. Phil., vol. 1., p. 30.

under five in Canada in 1833; and the list of the province of Prussia, in 1784, gives us variations in each from about three and a half to five children to every marriage that he taken place.† In Denmark the ratio is usually four.‡ Is Sweden much the same.

To the above facts I will only add another from our transflantic provinces. We have the series of marriages and betisins in the district of Quebec for twenty-eight years. The annual ratio of the births to the weddings was always fluctuating; but the general average of the whole twenty-eight years was not quite, but very nearly, five and a half to each marriage. This is not a proper specimen of the natural propertion of the births in a native population; because they were increased beyond the usual rate by the emigrants who secessively arrived; but I mention it because it gives the highest proportions of births which any registration contains for a long a period. Yet, though swelled in the births by the sidition from mothers not married there, but coming from eter

* The account of 1833, in Canada, was 2872 wooldings and 13.78 baptisms.—New M. Mag., June, 1834. Four and two thirds to see marriage would be 13,406 births.

In 1764, the births to the marriages in the Prussian provinces was, as calculated by Sadler, on the facts collected by Busching.

West Prussia and Netz	5.01		10
Pomerania	5-06		#
East Prussia	5-13	Magdeburg 4	86
New Mark	4.68	Neufchatel 3	
Mark Brandenburg .	4.53	Muero	
Fast Friesland .	3.83	Haiberstadt 4	
Guelderland	4.19	Ticklinburg and Lingen . 3	
Bilesia and Glatz	5.19	2 Sadler, p. 4	D.

† "The registers of Denmark, as quoted by Sussmileh, from the year 1769 to 1774, give, on an average, 4'89 children to every marriage."—Bai ler, vol. ii., p. 379. But "in twenty years afterward, the population having considerably augmented, it was reduced to 4'04 to one."—Th., p 46. In 1830, the marriages were 10,774 and the births 43,206, or sear four to a marriage.

§ In Sweden, from 1749 to 1763, there were 315,502 marriages sel 1,312,255 births.—Wargentin, 1766. 2 Sad., 383. This is rather above four and one sixth to each wedding. The five years from 1821 to 162 give the numbers of 23,772 marriages and 93,706 births, which are nemly four births to every marriage.—Bull. Univ. Sad., 487.

|| The whole marriages from 1794 to 1621 inclusive were 20.512; sai all the baptisms 112,009.—Bouckette's Brit. Dom., vol. i., p. 256. M five and a balf to each marriage the births would have been 112,846.

To this cause I would ascribe the ratio, being four times at and three times at and a half. The lowest proportion was four and as third.

plicis, and having differendating their etay or catilement in the province of Quebec, the ratio was, on the whole, own with this segmentation, not more than five and a half."

From all those instances we seem to be fully estitled to effice, that no population has continuously so many as six to every marriage, if all the higher be divided equally between all the marriages; nor so few so those in the general excess and series of human nativities.

. Here, then, we find the two established limits by all normalation is everywhere circumscribed. The confin has been thes fixed to be, that mover, especially three nor more than six births shall coour to the me of any community on the general average of all. limitation is so steadily maintained, we know not. obviously been made, not a rule of individual a cause mothers vary from each other in the number offspring, but a rule of secret of naturals, from the of our present system, between all the mothers their produce. An unknown process, by means by us, is always carried on, which so adjusts t marriages with the prolific ones, and with all the div of their produce, that their limits shall never be continuous overpassed. Here again Intelligent Agency makes its amid its invisibility, complexeus to our mental discomme For, as a limited portion only of the female world have to replace the dying generation by a new one, the proportion of births to their marriages must be steadily regulated and adapted, according to the purpose, at each paried; according as it is intended that a society shall decline, or keep stationery, or increase. Each of these alternatives will depend, in the first place, on the ratio of the births that is for the time sustained in the particular nation. To this the deaths have to be adjusted, to make the result correspond completely with the purpose. But the adaptation must commence with that of the births to the marriages, as they provide the materials on which the laws of death are to operate, and to which these must be

^{*} At Vovey, in Swinnerland, M. Havet assertained the curious thet, that 375 methors had yielded 3850 children, all hern alive; or 5 10-15 cont 375 methors had yielded 3850 children, all hern alive; or 5 10-15 cont at the state of the state

adjusted, according to what the plan requires, for each re-

spective country.

These limits are the assigned means or established laws by which all undue multiplications and all undue diminution are alike prevented. The producing marriages are limited by the maternal ages of the female world, and therefore by that preportion of women who are living in their contemporary population of these ages. The births, from this limited portion, are again bounded by the two confining ratios just mentioned. Thus, before the laws of death begin their operation, the numbers of mankind are under a natural and perpetual regulation and restriction on their coming into existence here at all. No more can appear on earth, to enjoy their human life, than these limiting laws of marriage and births admit of. So that human population begins, from its very origin, under strictly bounding, and governing, and adjusted laws.

But while it is thus confined to degrees and proportions which it cannot exceed, yet, within these limits, we perceive that it is allowed to vibrate and vary. It has been made subject to be influenced to its diversities by local, personal, constitutional, social, and other circumstances, which would lead us into too much digression to investigate here. But even these limitations, which are quite independent of those which arise from the laws of death, are quite sufficient to preclude

the possibility of the geometrical augmentation.

For, as both marriageable women, who can have the maternal character, and their marriages are only such proportions to the whole population as were stated in the preceding letter, it seems not to be possible that a constant natural law or overruling system, reducing the general produce of all the marriages of a community to an annual average of less than six, from a limited portion only of the female world, can, in twenty-five succeeding years, produce so many additional numbers from any original population as to double in that Such a duplication, under this established system, appears to be incompatible with such restrictions. not this plan of fixed general boundaries, and of freedom to vary within them, as the state of each society occasions or may require, indicate a wise and benevolent administration of human life? The limits as to female marriageable life. and the two limits as to births from it, preserve society from what, if unconfined in either point, would be inconsistent with the providing system of our maintenance; at the same time, the permitted diversity of the intermediate proportions gives to our great Director the easy command of it, according to his local and temporary plans and purposes. These variabilities enable him to increase a people where he chooses, and in such degrees as he thinks proper, or to keep them stationary as long as that condition suits anywhere his designs. Hence these differences become likewise the instruments by which he regulates each nation with respect to the other. While one is to be weaker, the smaller ratios operate; as they enlarge in others which are intended for the time to preponderate.

Thus, without interfering miracles, these limitary laws of marriage and of births, and the diversifying ratios within these established limits, allow him to place every people in the state and circumstances which, for the time, are most expedient, by natural application of those natural laws which, from the constitution of our frame and world, have been made to be applicable to these objects, and have been provided to be so under his superintending care. Is not all this such satisfactory evidence to us of his wise and provident plans and administrations as to human society, as to make all gloomy anticipations or misanthropical systems both unreasonable and ungrateful?

Births may be considered in another point of view; and this is, as to their general average proportion to the existing numbers of a population. Let us collect a few instances of these.

In England and Wales, this annual proportion has been one in twenty-eight in the last enumerations.* In France, taking the whole country, it was one to thirty-one and two thirds; but in the separate departments it varied from one in twenty-five to one in forty-three;† in Savoy, about one in

^{* &}quot;The proportion of registered baptisms to the population is as one to thirty-four in England: the "versal counties ranging between one in thirty-one and one in thirty-eight. Including unregistered births, the proportion of births to the population of England and Wales has been one in twenty-eight since the year 1890."—Rickman, vol. i., p. xliv.

[†] The Compte-general for 1826, by the Garde dos Secaux, gives these results, with the details. The department of the Loire land the most, being one in twenty-five and two thirds persons; Calvados the fewest, being one in forty-three and one sixth.—Bull. Univ., 1826, p. 28-30. Before the revolution, Necker stated the ratio to be one to twenty five and a quarter.—Admin. Fin., vol. 1, p. 254.

thirty-two;* in Venice, one in twenty-thous in twenty-one or twesty-four.‡ In the ratio varied from one in twenty to one in New-York, the births were rather more that part of the people.s In Russia, the constitution nativities there rather more than on In Switzerland the proportion was, in a thirty-six.**

From these instances we may infer to the highest number that are born in any and less than one in fifty the lowest ame observed. Here, again, appear two nata limits, which preclude any augmentation beyond these boundaries. So many as of few as one in fifty, to a population are the actual nativities which are to form are always within these bounding extrem

But if we take the lowest of these, even to the Makhusian theory; for if the birth one in twenty in a nation, then a twenth be born every year; and, consequenth twenty years to pass before as many consequent the coexisting population.

* At Maurienne, in Servy, the average of h from 1810, was one in 30 l in the Alpine regions, grounds, and one in thirty-two in the lower pa was chiefly caltivated.—Bull. Univ., July, 1831,

† Signor Quadri states the average of the a the five years from 1819, to have been one in twee ‡ Dr. Calcagni, in his Tavole di Palermo, forme

from 1805, the ratio was one to twenty-one; and years, one in twenty-four.

§ Mr. Sadler has collected the proportion of the Quetelet. The Dutch portion was from the rate land to 27:1 in Friesland. The Flemish part was

land to 27-1 in Friceland. The Flemish part var Brabent to 30-7 at Antwerp.—Sedler, vol. ii., p. 46 ii in the census of the state of New-York for 181 returned to be 1,616,438, and the births 60,383 for National Genetic, Feb., 1826.

In one little village of only 400 persons it was sound by Muret to In one little village of only 400 persons it was on —Malthus, vol. i., p. 381-404. But this was too peculiarly situated to be any example of a general list in the Jura, St. Cergue, "the births were a twipopulation."—Malthus, 404.

to equal is not to double; therefore twenty more years same rate of births must ensue before the numbers be doubled. But these would make together forty. So that the greatest number that have been known nywhere born could not double the population in twenvers.

this proportion of one in twenty is a local and a rare. The more common proportions are from one in twenty-one in thirty. At the rate of twenty-five a year, the I dople ation would be near fifty; at that of thirty it approximate sixty. But all those periods the regular death considerably cloupste.

If there inquiries, we must likewise recollect that the m as between man and Providence, that is, between id and the yearly produce of the earth, is not what t of homen beings is moduced in any particular comat what number the varying rates of birth in every remove to be alive in their totality as contemporaries he whole earth; for then we shall find that, if more n one nation, fewer come into being in another e correct inquiry will be, at all times, What is the gensult of all these laws and ratios, in comparing the ensantity of coexisting mankind? Then we shall find e more in some places and the fewer in others minute or in a certain level average, which is the actual exhiof the real mercase of the earth's population, and of guest agency of the laws of homan boths in average that the provisions for our subsistence are always compared, for we have found, in all ages, that country, from any cause, needs more food, others have a redundancy of it to supply their wants, and it has cen one of the carnest objects of commerce to convey od a strangat from the abundant regions to those where neving cargors are required

re seem to be some other special laws about birth deserve our attentive study, to see if they are well of One of these is the circumstance remarked by Mrs. and others, that they vary according to the density of spalation, where they occur, most births taking place the people are fewest, or most scattered on a given

be providenced of human beings varied in proportion to their rote-

thirty-two; in Venice, one in twenty-three; in it one in twenty-one or twenty-four. In the Netherlau ratio varied from one in twenty to one in twenty-nin New-York, the births were rather more than one twenty part of the people. In Russia, the census of 1820 their nativities there rather more than one in twenty In Switzerland the proportion was, in some parts, thirty-six.**

From these instances we may infer that one in tw the highest number that are born in any known pope and less than one in fifty the lowest amount that hav observed. Here, again, appear two natural and esta limits, which preclude any augmentation or decline in: beyond these boundaries. So many as one in twenty, few as one in fifty, to a population are nowhere ber the actual nativities which are to form the new gene are always within these bounding extremes, or very new

But if we take the lowest of these, even that ratio i to the Malthusian theory; for if the births were contin one in twenty in a nation, then a twentieth part of it be born every year; and, consequently, it would a twenty years to pass before as many could be born as equal the coexisting population.

* At Maurienne, is Savoy, the average of births in twenty from 1810, was one in 30·1 in the Alpine regions, one is 31·9 in the grounds, and one in thirty-two in the lower parishes, where a was chiefly calitwated.—Bull. Univ., July, 1831, p. 356. † Signor Quadri states the average of the births at Venice,

the five years from 1819, to have been one in twenty-three.

† Dr. Calcagni, in his Tavole di Palermo, found that, for the termonal transfer of th

from 1805, the ratio was one to twenty-one; and in the subseque years, one in twenty-four.

§ Mr. Sadler has collected the proportion of the provinces chief Questiest. The Dutch portion was from the rate of one in 20.7 is land to 27.1 in Friesland. The Flemish part varied from 26.1 in Brabant to 30.7 at Antwerp.—Sadler, vol. ii., p. 449.

il in the census of the state of New-York for 1825, the population returned to be 1,616,433, and the births 60,383 for the preceding 1

National Gazette, Feb., 1826.

W The Greek Church population of Russia was found to be, is 40,351,000, and the births of that year 1,570,399.—Sadier, vol. ii., p ** In the Pays de Vaud it was found by Muret to be one to thir

In one little village of only 400 persons it was only one in forty—Maithus, vol. i., p. 381-404. But this was too small a place, a peculiarly situated to be any example of a general law. In anothe ish in the Jura, St. Cergue, "the births were a twenty-sixth part population."—Maithus, 404.

But to equal is not to double; therefore twenty more years of the same rate of births must ensue before the numbers would be doubled. But these would make together forty years. So that the greatest number that have been known to be anywhere born could not double the population in twenty-five years.

But this proportion of one in twenty is a local and a rare one. The more common proportions are from one in twentyfive to one in thirty. At the rate of twenty-five a year, the time of duplication would be near fifty; at that of thirty it would approximate sixty. But all these periods the regular

laws of death considerably elongate.

In all these inquiries, we must likewise recollect that the question as between man and Providence, that is, between mankind and the yearly produce of the earth, is not what amount of human beings is produced in any particular country, but what number the varying rates of birth in every country cause to be alive in their totality as contemporaries over the whole earth; for then we shall find that, if more arise in one nation, fewer come into being in another. So that the correct inquiry will be, at all times, What is the general result of all these laws and ratios, in comparing the entire quantity of coexisting mankind? Then we shall find that the more in some places and the fewer in others mingle together in a certain level average, which is the actual exhibition of the real increase of the earth's population, and of the practical agency of the laws of human births. It is with this total average that the provisions for our subsistence are to be always compared; for we have found, in all ages, that as one country, from any cause, needs more food, others have always a redundancy of it to supply their wants; and it has ever been one of the earnest objects of commerce to convey corn and nutriment from the abundant regions to those where the relieving cargoes are required.

There seem to be some other ancient laws about birth which deserve our attentive study, to see if they are well founded. One of these is the circumstance remarked by Mr. Sadler and others, that they vary according to the density of the population where they occur, most births taking place where the people are fewest, or most scattered on a given place.*

^{*} The prolifeness of human beings varies in proportion to their con- $Vot.\ III.$ —K

Another fact has been also noticed, that births increase when the deaths become more frequent; here the connected cause has not been satisfactorily accounted for, and seems to be linked with something more than human or common agencies.*

It has also been observed, that the most births appear (and reckoning nine months back from the time of their occurrence. that the commencement of the human formation takes place) more frequently in some months of the year than others. Natural causes, arising from unknown effects of the as unknown atmospherical changes or moving agencies at the different seasons of the year, | may contribute to these results.

densation. It is greatest where the numbers on an equal space are fewest. It is smallest where the numbers are largest."—Sadler, vol. ii., p. 252. He has thus computed and distinguished, in this respect the differences of the births in England to 100 marriages.

Where the population on the square mile is-

From 50		the bir	rthe are		-	•	•	437
	to 150	-	•	-	•	•	-	414
	to 2 00	•	•	•	•	-	-	406
	to 25 0	-	•	-	•	-	•	403
	ය 300	-	•	•	-	-	-	392
300	to 350		-	-	-	-	-	375
500	and up	ward	-	-	-	-	-	332

Ib., p. 468. "The prolificness is greater where the mortality is greater : smalle

where the mortality is less."—Sadler, ib., 355.
Ferusage remarks on this point, "Another result is, that the births see in a direct ratio to the mortality." Maithus and Valermi agree in this, but say that the fact has not its principal source in a lew of nature; but, whatever be the cause, M. Quetelet has verified the fact, even in the ferent months of the year, as he showed in his "Memoir on the Morsility
of Brussels." M. Lobatto verified it also in Amsterdam, Antwerp,
Ghent, Rotterdam, and the Hague.—Bull. Univ., 1827, p. 92.
† Mr. Vereist found the mean results of eighteen years observations

at Brussels to be-

FIRST PERIOD.		MON	THE OF BIRT	п.			BIRTHS.
May .			Pebruary				1.1570
June .			March .				1-0991
July .			April .				1.0790
April .			January				1.0403
March			December				1.0175
August			May .				0-9893
February			November				0-967V
September			June .				0.9509
January			October				0-9492
December			September				0-9401
November			AUGUST .				0-9032
October			July .		•	٠.	0-9019
	-		•		Bal	Ú.L	1887., 1887, p W.

as also been observed, that the hirths occur more numerly in a morning than in the evening.* In all those pecuties, in proportion as they prevail and recur, the features skin, and regulating agency, and of providing foresight, I think, also, of superintending government, appear, to our templation, accomplishing determined purposes and operge to an assigned end.

LETTER XIII.

Laws of Death considered.—Their Adjustment to the Laws of wite.—Statement of their Rate and Proportions in different Country.

MY DEAR SYDNEY.

Let us now endeavour to trace the laws and principles on ich the withdrawing and destroying agency of DEATH is adsistered as to the human race. The consequences which sw from it are very extensive and multifarious. But we

ir. Lemeiro's average of twenty years, from 1805 to 1825, at Teurhas many similarities to this. I will cite only his months of the

		BIR	tes.			
April .		1-1203	June .			0-9651
Petruery		1-1192	November			0-9305
May .		1-1140	July .			0-9878
March .		1-0007	()ctober			0.9908
Jenuary		1-0406	August .			0-9950
December		0-9073	September			0-8667
	-			11	**-1-	1000 00

Bell. Univ., 1927, 96.
At Brussele, the nativities, from 1811 to 1923, in the Hospital de Mathè there, were found to take place in the following numbers at the

Re.		MORTI	HG.		VENING.	BOUR	B.	MORN	ING,		EVENING.
1		142			94	7		113			121
Ì		173			97	1 8		99			97
i	:	120	:		86	Ì		88	:	:	133
i	-	123	-		91	10		120			115
í	•	199	•	•	104	lii	•	127	:	1	224
	•	177	•	•	100	lië	•	44	•	•	4

r. Viltermi found enalogous results in the Hospital of Materalties at a.—Sail. Univ., ib.

will confine ourselves to a consideration of the has been established as to its operation on our p to the laws by which it is made to regulate the s bers of the human race, in their several nations and general amount.

The laws of death, as soon as we begin to a easily discerned to be much more peculiar than those of marriage or birth. I have alm the consideration of it only as a check, and reto avoid a term that misleads. Death is as in the formation of human nature as birth as has invariably accompanied both. It has be the days of Adam, an essential part of the D mankind, that all who are born shall die. from the beginning, a fundamental law, as: parents showed that both themselves and the would not submit to be trained and tanoht Preceptor. Certain, by this decision, and be chose, in disregard and disobedience to him, not spontaneously become, as he desired, suc admirable, and congenial beings as he meant he ordained that their existence on the car placed them should not be perpetual. we call death was appointed to terminate, in rary connexion of their intellectual soul with body, and to remove the living principle of is, therefore, as inseparable from birth as the riage; all three are original and essential part of human nature in its present residence. without the other; each is alike important adapted to the other. Death is, therefore, or tive laws of our life on earth, and of the orga of our frame. Our body is so made that it m at present composed, and as its functions are art or means can prevent its dissolution, or its animating spirit, when the agencies occur fectuate the change. Violence may accel which skill may a while protract, but nothin eventually avert it.

If death had not been made a part of the proof our being, the system of our births could not not could mankind be either what they have be

Every portion of human life; all its movements and inone; all its laws, polities, habits, and occupations, have so what they are under the influence and from the effects certain and unceasing occurrence of our individual mor-

Take away death from the world, and the whole work, spirit, view, and operations of human society must ared. Its present form and establishment would not numertal population, nor would have proceeded from dying beings. Let us, then, consider the laws of death gnal principles of the earthly system of human nature, egin our inquiry on their nature and operation with the that have appeared from them in our own country.

s deaths in England, as everywhere else, have varied in ar every year, with fluctuations to and fro, that have not spunded with the apparent progression of the whole popula. Their series in the last thirty years sufficiently show that, in its first year, 20,891 more than in the tenth year afterward, when our numbers had used by one inilion and a quarter, or nearly one seventh

There were frequent vacillations of this sort, as if no ant law, known to us, was in operation to produce them.

r. Ric	kme	a'a re	HTW	ted numl	ers of the	burials	are		
				904,434	1816		•		905,960
				190,HH9	1517				199,969
•	•			903,799	1818		•		313,094
•				JM1,177	1819		•	٠	217,504
•	•	•	٠	IN1,540	1490		•	•	200,249
•	•	•		143,452	1481	• •	•	٠	919,366
•	•	•	•	195,461	1923		•	٠	\$50,416 \$27,366
•	•	•	•	200,763 191,471	1924		•	•	244,074
•	•	•	•	204,154	11/25		•	•	255,019
•	•	•	•	184.543	11496		•	•	964,161
•	•	•	•	190,409	1427		•	•	201,071
•	•	•	•	180,477	1999	: :	•	•	255,212
•	•	•	:	904,403	11/29	: :	:	:	264,220
•	•	:	:	197.404	1830	: :	:	:	964.007
•		•			-	•	Pop	. A	b., xxx

01, 204,434; 1811, 198,643. - Ib.

the first seventeen years, the deaths were only in three of the
more than the first year, notwithstanding the continual increase
appulation. The variations were successively unequal in themand and governed by the amount of the people. Thus, 4044 less
1; 2639 inputs in 1863; then lesseened by 17,449 in 1804; increasing
1865 and 3212 in 1865; enlarging the two next years, to sink by
sation of 9392 in the one following; again raing by 16,718 in the
ding year, to lessee nearly 30,600 in that which same after, and

The proper represent a the servicions, as existing and the second sections and the second second THE DOLL HE SELECTIVE " AND IN THE THE PROPERTY AND ADDRESS. AS ARREST OF MAIN DOCK BETWEEN THE THE SECONDS to the method we that the same variables at made of t 17472245 T

The contraction of the contraction of the same of the contraction of t BY A SHEEK REPORTED IN STREET AS STREET, THE PARTY AND REPORT IN COST SALE COLD AS IN COST DUCTOR MARKET THE mines and need from during these there werend as like THE THE SERIE DETROIT & CTYSTED TARRING SE MARINE BASE &

er tig. It the year 1913 the few to work matter 25.000 dome at the fear two lines bord street has been owners where she bearing. List that the commence of the control of the contro

first their to the beautiest county at this time Microsca. Ra-bs

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The while compers of decrease endered for the purposes of Sur population and appear to be .--

SAME SAY TRAVER.

1.º These differences between the comparative births saths of the two sexes are in other countries nearly sim-

Thus the mortality to our race is, by some powerful respecting law, so regulated with relation to the nativilate the two sense, amid all the diversities, are always in the same general proportion to each other—a striking that death, as well as birth, is governed by established setuating to a specific end, and never ravages at random. erations, indeed, occur on rules and principles which we not yet descried. The mortal agencies act with differwhich we are unable to elucidate; for, in the twenty-wars after 1800, the mortality of Fingland lessened more seen, and yet, in the succeeding ten years, it has, on the my, much increased; though at both periods the counse enlarging, both in numbers and prosperity.

is a remarkable fact, that although for the thirty-six years a elapsed from 1780 to 1815 the population was provely increasing during that period, yet little or no augmino occurred in the number of the deaths. The averages see five years nearly approached each other is and more

st the beptisms of males are 10,435 to 10,000 females.—Rickman, p. xliv.

he whole number of buriels, under the returns for the four popuacts, were 11,559,000; of these

5,769,015 were females

sich we may add those males who died abroad in the employment rand commerce —Ib., xliv.

years of war organismed many of our males to die abroad, a previous to the year 1921, the burials of the two seases were in sumbers; but Mr. Rickman justly adds, "The effect of settled is now above to the increased proportion of males who die and ried at horse." b.

has the male and female births and deaths in Russia in 1834

Births 979,477 males, 979,478 females.

Deaths 027,122 males, 622,176 females.

Journ. Mt. Pet., March, 1436.

The mortality of the inhabitants of England appears to have sunk misimum in the docade preceding the population abstract of 1921; lines that time, it seems to have risen as fast as it descended after as 1931; "Rickman, vol. 1, p. 2xxv. be several averages were—

actually died in the first year of the series, 1780, we population was smallest, than in the last term, 181 the people had become so much more numerous.* erage of the whole thirty-six years was not much 1 that of the last five.† So that, in all this period, we agencies of birth were kept in a steady process of rate of production, those of death were made to be st in order that the population might more particularly e a striking instance of the supervising attention of the ting power.

The annual deaths varied in a similar manner on tinent in the common course of the mortalities. One of this may be cited in Prussia and Lithuania. The amount here fluctuated to and fro,† and without a

increase, till sixty years had elapsed.

1700 to 1705

For the ten years between 1820 and 1830 the relativeen marriages, baptisms, and burials, in England and

109 373 deaths

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	1796	to	1800			_		196.	287	66	
	1801	to	1805			•	•		094	и	
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				•	•	•	•				
	1811	to	1815			•	•	193,			
									Rickr	n., ve	l i
* In 178	0 were			_		_	198	348	death		
In 181			_	-	-	-			ditto.		
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seed, as nearly as can be calculated, in this proportion, on a memory of each, namely, three and three quarter births to a sarriage, and two and a half deaths; so that there arose, bring that period, about one and a quarter more to every sarriage than death took away, sand by this proportion the Laglish population was then naturally increasing. This would make about seven and a half births to five deaths, causing deaths to be one third less than the births in England and Wales at this period.

In Denmark in 1830 the same relations were four births and nearly three deaths to a marriage, which is a fifth less savivership than in England.; In Brussels in 1833 the deaths were in such a large proportion that the city would in time have been unpeopled, without fresh arrivals from the country.) In France in 1831 the relation was four births and three and a quarter deaths to a marriage.

As between the sexes, a larger number of males are every-

* Mr. Rickman's summary, from 1821 to 1831, conclusive, is— Baptisms 3,753,493 Burnale 3,463,997 Marriages 1,082,095—2 Pop., 496.

The one and a quarter survivers from the marriages would make [.215,119 individuals; but the population of 1921 was found to be \$200,000 or \$100,000 o

\$ The marriagen were 10,774; the births 43,986; the deaths \$1,994.--

Mr. Perter's Paper, Athen., 1836, p. 226.

§ In this year the marriages in Brussels were 866, the birthe 2003, or there her and a half to each marriage; the destin 4877, almost five. The account, as between the sexue, evinced the birth of most males, but the death of most females.

T Thus in France during the Silven years from 1817 to 1833 there

7,490,931 majes, 7,941,947 fermales.

Annualre Long. for 1884.

Let us now examine the proportion of a population which usually die, either every year or for any series of years.

Sir William Petty considered, that in his time, 1682, there were in England twenty-four births for twenty-three burnle. Other computations, of which he spoke respectfully, reckanel five births to four burials; and calculated that, in the country, the proportion of annual deaths to the population was I 30 or 32 † As a medium, he supposed that there might be about ten births for nine burials I

This is that moderate rate of increase which is so concordant with what appears to have actually taken place, that it is very probable that it expresses the prevailing course of nature as to human multiplication at that time 6

From one series of his, he said, "We have good experience that in the country but 1 in 50 die per annum." This would come near Mr. Rickman's calculation of the present. proportion being 1 in 49.

In our recent enumerations, we perceive that, in one county, the births and deaths were equal for one period of five years; ** but, in a later term of that duration, the baptisms

So in England, for the ten years from 1821 to 1830, the baptisms were-1,917.444 males, 1.836,049 females.

Rick., vol. ifi., p. 486.

 Essay on Polit. Arithm., p 13.
 There are also other good observations; that even in the country? in about 30 or 32 per annum had died, and that there have been ave births for four burials. - Ib., p. 14.

: Ih., p. 15. § Sir William remarks on wars, plagues, and famines, that " the effects thereof, though they be terrible at the times and places where they hap pen, yet, in a period of 250 years, are no great matter in the whole mi-tion. For the plaques of England, in twenty years, had carried sway scarce an eightieth part of the whole nation; and the late ten years civil wars, the like whereof had not been in several ages before, did not take away above a fortieth part of the whole people."-Ib., p. 15.

|| lb. p. 13.
|| The registered mortality in the several counties of England, from 1826 to 1830, ranges between forty-one in Middlesex and sixty-four in Cornwall. Including unregistered deaths, the mortality of England and Wales since 1820 is estimated at 1 in 49; though on another calculation it would be 1 in 45."—Rick. Pop., vol. i., p. 35. The differences between Sir W. Petty, 1 in 50 and 1 in 32, may have arisen from averages taken in two different counties, as in Mr. Rickman's Middlesex and Cornwall.

This was ('ambridge from 1806 to 1810, The average of both bap-tiams and burials was I in 30.—1b, 32. Myddiesx (wice came raises near this; for in this same period it had thirty-size birds to theiry-siz,

double the burials there.* In all the other counthe fell annually so much short of the births as to t gradual mercase of British population which its I enumerations successively displayed. The averv of all the counties was, from 1796 to 1800, four er deaths + From that time the nativities increased the lessened, though not in equal degree, nor withecceding the flow. The five years preceding the exhibited the average result of lifty-one births to surrain 1. Sometimes the births diminushed as the enned 5 but this was neither continued in the same or frequent elsewhere. No settled ratio of that d in any ¶ Considered with respect to the whole , the latter period of the last census presents ly the proportion of four burials to six births in our ared, healthy, and prosperous country. **

blished course of nature has not produced, in other my results contradictory to these which have thus our own; they vary everywhere; but always, like within ascertamable limits, except in the rare pesstations

the general average of deaths in all France was in ion of nearly 1 in 40. tt lt varied in its several

between 1796 and 1800 the proportions were thirty nine to -Rick, Pop., vol. 1, p. 32, ridge, from 1816 to 1820, the average births were 1 in 30 and

in 55 From 1796 to 1800 they stood as thirty-three to fortyn lean to 1520 as thirty-one to forty five. -- Ib.

in wern I in 36, the deaths I in 48. . Ib.

1946 and 1810 the average rose to 1 in 32 baptisms and 1 . Between 1816 and 1820 the births fell back to 1 in 33 and maned to 1 in 55. Between 1926 and 1930 the births lessened a 34 and the deaths increased to 1 in 51. Ib.

ammouth, from 1796 to 1800, baptisms I in 56, deaths I in

tive numbers changed afterward to 45, 64; 46, 66; 45, 69 1b. m proportion of 1 in 24 births occurs with the different rates 7, 49, 51, 54, and 50 of the deaths. No 46 in the deaths has in different counties 30, 33, and 34. The latter four times, mented with the 46; but that 34 in the birthe has the above the deaths

y one births to thirty-lour burisls are as twenty-five and a teen, or twelve and three quarters to eight and a half. This a the relation of six to four.

Revue Encyclopedique," calculating the rate of mortality in departments of France in 1827, found that its largest operadepartments. Like ours in our countries:" and desine exceeded the harde. On the whole, th each other in the ratio of 1000 to 800, or free b čerios :

In Denmark in 1830 the ratio was I both in 25 death in 39, and in these numbers nearly seven in five departures to In the Netherlands at that time projections arrespect In the Pressure provinces a Raine the ratio was nearly the invocable quantity of born in die ibne das died T

In Mexico one of the greatest metances of annual most occurs. The deaths in 1825, in one of its provinces, with the unusually numerous as to be I m nearly 20; sweening of I they continued in that ratio, a whole generation in the TOLTS **

In the kingsion of Process and ductiv of Lithmann the

tice was one in twenty-seven and three fifths in Plainters, and only only fify-three and a balf in the House Pyroness. For all Posses of tre v. the average was I in 30; -Ber. Fac., vol. xxv., p. 36

"In 1896 a was I m 42 in the Doots and I m 37 and La merts, and in 1895 I in 37 — Bull, U av., 1831. In the course L'Assie the result was found to be, that seven't more than the deaths.—It., 1886, p. 21. In all the d but Flaintere the births were greater than the deaths in t To 'Di' h the the deaths were

				- 200
la 7 depart			EPRODE SEE	20 Sec.
32 En			* 855	to 900
39 d tt	ъ.		* 789	to 705
- das	ο.		 · 600	to 656
to Bee Bh	_		4 444	Des B

In the department of Haute Vicane, during the twent to 1939, all the births were 191,019 and the double 13 excess of births, in twenty years, of 34,532 to a popul marriages 41,965. -Buil. ('mr., 1931, p. 157,

* This was Finnetere, in which there were more dead the proportion of 1027 to 1000.-Ib.

In all France there were found to be 798 deaths to Rev. Enc. So in 1831 all the births in France were St death- 902.945.—Annuaire Long., 1894. This is meanly if f The deaths were I in 39, the boths I is 22 to 22

and 43.966 births, which are nearly five to seven Status: Soc. Athen , 1836, p. 236, # Bull, Ui " Or 52,717 deaths to 78,941 Mrths.--Bull. Carv., 180

" In 1525 the total population of Guananta, in Mon The marriages were 6976, the birthe 22,800, and a This extra mortality is thus accounted for. The lindians In their old manner, and do not avail thousaftes of the arts or agriculture. Ducasca take them off by these Moss, on Greenwards.

a continually varied in a succession of sixty-four years. an years of it there were five births to three deaths : in four, about an to four; in the remainder, except an of postulance, nearly seven to five."

email parish of Layers, in Switzerland, mentioned by Athen. t deserves our notice, as an instance where the potentiation is so administered that for thirty years the and deaths marly balanced each other t. This must be e in every age and country where the population is kept It was maintained in this state in this little com-The merease here was so gradual, that it would ken more than the time which elapsed from Moses to um to be doubled. I believe that all countries have t various periods and for a considerable series of years, mate, and are so, and are never otherwise, but as it

matich's Tables quable us to make the following approximating the grange, reckoning five years :-

							INT	HR.		DSATHS.
F mn	1002	m	1097				7		to	5 2-7
	1 OVER	w	1708				5		10	3
	1703	to	1704				5		\$40	3
	1713	w	1710				y		10	5
	1717	w	1721				5	1-4	to	3
	1722	w	1720				6	5-H	to	4
	1737						6	2.4	lo	4
	1772						6		to	5
	1774	111	1716				6		to	4
	1747	14)	1751				7		to	4 1-4
	1754	w	1756				7		to	4 24
				Man	tho	Table	ni se	Find	lor, Y	rol. II, p. \$¥X 0.

h. Pop , vol. i., p 401. he average number of the births being for a period of thirty habits of the people had not led them to emigrate; and that the a of the parish for the support of the population had remained statemery."—Matth., ib., 402. Mr. Murat stated the particulars Memorres Soc. Peon. de Berne! for 1760.

population in Muret's time was 400, and the births but little the in a year. In ten years were 45 marriages, 33 baptisms, miles; making the births as one in forty-night and three quarthe deaths as one in forty nine and three eighths. Muret's Maioc. Econ de Berne for 1766.

F. Divernois computes that its period of doubling would have B years, and adds, that this place still numbers only 447 inhab-He describes it an among the higher Alps. It is near the summ haintable country. The prevailing sold is so rigorous that its ote cannot raise gither wheat, cate, or rye, nor any broad-core, berley of Biberia - Por. Quart. Rev., No. 25, p. 816.

sums both the local and general plans of Providence that they special advance, or decline, or continue in a level scale.

in Russia, as we have stated in preceding many bed the deaths and their ratio discrepted. In that year of war whose from thems in autumn were so faint to Napoleon, the death miles empire were more than the buthe," as they committee are in her candal." For ten years, the deaths in his wish population were but two thirds of her buths; of these hom only two died : In 1883 her buths were as any to fine at one sixth more than the deaths & and in the next were the excess of mativities again rose to the proportion of three to two It varied also in her reconneces. In some, and manne vers, even so much that the born were twee the number of those who died T In others, a less multiplying rate appears; ** but as disturbts to the army, and wanderers to the course and other emigrants take away a great many from the place of their buptism, the deaths on any local register do not and their actual proportion to the births of that distract ++

In other countries abroad we meet with diversities, we alwave within the usual compass II

^{*} This was in 1913. The births were 600.000, the deaths 600.00 * See before, page 7% note *. So in 1932 the births at St. I burg were 14.167 the deaths 15.197 -Ritchie's St. Pet.

From 1512 to 1922 all her births were 13.456.165, and all her d in : home years like \$5.3%, which leaves a surplus of \$.278.300 be

Bull. Fire, 1977, p. 115

§ See before, p. 78.

§ In the bushoper of Woroncok in 1896 there were \$1,673 highs to \$2,000 and — Hertha. 1825. In once equivalence in 1893 the bushs were \$29,437, the deaths \$77,875.—St. Peters. Zertschrift.

or Thus, in the government of Perm, from 1819 to 1884, whition was 1,143,303, the births were as severe to tru deaths.—I 1996, p. 196. Or four to two and a half. In the bishopme of P. 1996, there were 65 706 hirths and 47,561 deaths, or meanly thin nine and two fifths, or about four and one third to three as –Herrau 19**15**.

From these causes I consider the deaths in the state of Meanly gnd: 1 the destroy of Quebec not to represent the true proportion of a destroy of Quebec not to represent the true proportion of a destroy of those who are been in these places, because so managing them to settle in the uncleared repress, where they sends to form a towns and states. Their numbers were New-Fork in 1808, the 80.283, deaths 22.544.—Nat. Gazette, Feb., 1806. Quebec, 1706 so 100. burths 112,009, burials \$4,534.—Bouchette, vol. i. p. 356.

Thus in Baden in 182, the rate was I in 414. - Ball. Univ., 1881, p. 4) Ar Montaux, in the Pays de Vand, on the average of six years, 150-31, the buths were fill to 411 deaths us a population of \$625, or the and a quarter to four and four months, subling to months becomes of I is

LETTER XIV.

imitations of Population produced by the ordinary Laws of Beath -Makement of these us they occur in England and in several other Countries

MY DEAR BUN,

Having thus surveyed the operations of death in various parts if the world, so as to be enabled to form a just conception of but usual results, let us make a few reflections on the facts

ad laws which we have been contemplating.

We see that the laws of death vary their effects as much There is nothing like a fixed standard, a a these of butte mioria ratio, a one overruling law in either. Both the rate of eaths to botton, and the proportion of the dying to the num er of the existing population, are continually varying. They Her in every country in some degree, and in the same couny at americance periods, and are not alike in every part of # batter traftigte These diversities show that the agency of rath is governed by many laws and by me single force; yet ere also, as in the births, all these variations are circuitiribed by limits which, in the habitual and established order 'Banga, are not overpassed, unless the Divine plan and will that the particular population shall be extinguished or at nunted into a comparative pollanguess. But even such dulitations are never produced by the usual course of births They always arme from the audden and tempo ry introduction of violent agents, either natural or human estdence, famine, earthquakes, and mondations are the nat al assaulants which occur at times, in amproprimary visita me and wars of exterimisation are the human means by such depopulation, in particular cases, has been allowed to

2 andy - Privernois B.b. Un Geneva - In the Pays de Vaud in 1925 : borthe were 4974, the deaths 2310, which was as five to three and one of - Birl - I my , 1925, p. 128 - In the Netherlands the proportion was a 64 - Canteler - In Pilessa, 1924, the Inglies were 100,142, deaths 69 032 - Sail - I my - 21 - Nearly - 5 to 2 - At Pelerma in Pilest, 1 in 21 force to 1915, and I m 23 in the ton years following - W, 1921, q. 128,

be produced. But none of these instruments of destruction can be reckoned among the natural laws or causes of death. They belong to that part of the plan of the Creator which refers to his own government of human nature, and to the grand movements and revolutions which, in the execution of his purposes, he directs or produces in the natural history and fortunes of mankind.

A few reflections shall be submitted to you on this subject in a future letter on the providential empires that have appeared in the world. But at present our considerations shall be confined to the more natural laws and agencies by which

death has acted, and is still acting upon us.

We have seen, from the limited portion of females wha, from their suited agos, can in any year be mothers, and from the confining ratios of the births from these, that the number of the born is at all times circumscribed.* In all societies there can be only a certain proportion of births; and from the births thus limited the new generation, the succeeding population must come, as it has no other source.

The births, by these limitations on themselves, are always limiting the population they occasion; and death then comes to add a further limitation by his irresistible agencies. Thus all populations are confined and regulated by this double operation of the limits of laws, which are always acting expressly to this effect. Population exists nowhere without both these limitations, and its state everywhere evinces their effects.

As death takes away inevitably all that are born, the natural consequence of such a universal removal tends to be a prevention of all increase. And such would be the result, unless death was governed by laws always regulating it as to the proportion it shall in each state annually remove, and also as to the ages at which it shall withdraw this quantity.

For if death was suffered to destroy all before the parents age, mankind would be only a generation of children, extinguishing at their departure. So, if it take away every year as many as are born, the race would expire with the parents who suffered these privations, or never be more numerous. Hence the continuance and increase of all populations depend on the annual amount at which the rate of births enceeds that of death, and on the proportion which are taken

eway of the new generation before they enter into the maternal period and computed state.

On both these points we find that, although there are many diversatives in the minor degrees, yet in every country there are fixed circumscribing limitations. It is a law as to the ages, that from one third to one half of all that are born shall not live to the age of the possibility of being parents. They appear only as children, or in the first state of youth, and are then removed, manifestly for one reason, at least, that they shall not augment the numbers of the human race. This is a most important and ever-operating limitation of population, and by its universality and perpetuation, in every degree of tradization, shows that it has been made a law, with an express reference to this effect; for it keeps the peopling part of mankind steadily to one constant proportion of them.

The laws are so determinate, and, on this point, so effications, as to discover the plan and purpose of their institution. The maternal age is confined to a fixed portion of female life; and a constant proportion of both sexes are everywhere withdrawn before they can be parents—two expressive indexes to as how strictly population has been adjusted and is governed. Yet both these laws are so modified and so administered that they always allow, on the whole, a moderate and graduated increase.

The average ages of human deaths disclose to us some of the laws by which our mortality is specially regulated, and therefore I will state to you what I have noticed on this subject.

Out of nearly 4,000,000 of both sexes who were buried in eighteen years in England and Wales, shnoat four ninths of the males died under sixteen years of age," and half of them died between twenty-three and twenty-four.† Thus the law of death prevented entirely the first portion from being fathers; and, according to the usual rate and habits of men's marrying in England, took away one half of the born males before they could enlarge the population of mankind. This law confined it, therefore, to since from the other half; and of these, from so many as should choose to marry.

Of 2,938,436 persons who were hursed between 1912 and 1920, the makes were 1,995,195. Mr Rickman has classed these into their ages.
 The number of them who died under sixteen was 995,722; four ninths would have been 197,200.

[†] The burned under twenty-four were 1,001,148; one half would have been 998,097. Pop. Eu. Abat., vol. 1., p. xxxvi.

If, from the general average of the nation, we tarn to the proportions as to the males in each county, there we find the same diversities, though always within a restricted compas, as attend all the operations of the laws of population, so far as their established limitations allow.*

In our great metropolis the rates also vary; but from the fifths to one half were every year found to be dead by twenty years of age.†

Of the females who died in England and Wales during the eighteen years above mentioned, less than two fifths died under sixteen.‡ Thus our general conclusion may be, that from four ninths to one half of our males, and two fifths of our females, constitute the general average portion which death is yearly taking away, so as to prevent them from being the parents of any new generation.

In other countries, laws as restrictive, and in some more largely thus operating, are likewise acting to limit the number of the producers of the populations that succeed each existing race. These will show us what a powerful and sustained system has been established, in the natural course of things, to keep every nation in that state and within those numbers in which, from time to time, it is subsisting.

The causes everywhere are in action which produce the re-

* Thus, of those buried in Bedfordshire in the eighteen years, one third died under four, two fifths under eleven, four nieths under eighteen, and one half under twenty-six.—Pop. En. Abst., vol. iii., p. 6. Is Beris, one third died under six, two fifths under eighteen, four ninths under twenty-four, and one half under thirty-two.—D., p. 16. In Cambridge shire, one third soon after two years, nearly two fifths under few, for ninths under ten, and one half under nineteen.—D., p. 32. Is Leacashire, one half of the males died in seven years. These counties will serve as a specimen of the provincial differences in their local rates of mortality—one half dying so variously at the years seven, nineteen,

TAccording to the bills of mortality in 1818, one third died under five four ninths under twenty, and one half under thirty. In 1898, nearly one third died under two, and above half at twenty. In 1893, one third with the stillborn, did not die till just above five years, two fifths were dead at twenty, but not one half till thirty years had elapsed. In 1832 one third died under four, above four minths under twenty, and one half under thirty. In 1835, one third were dead by four years, and meanly one half under twenty. In 1836, one third were not dead till seven years, two fifths by twenty, and one half not till thirty-three.

The females were 1,942,301. Of these, 767,317 died under sixtess; two fifths would have been 776,930. Rather above half, or 975,034, died stader twenty-nine.—Rickman Pop. Abst., vol. 1., p. xxxx.

ushed, he accordance with the Creater's plan, for each We case their operation in their effects, but have expensed the knowledge to distinguish with any constitute up-efficilly and precisely are. Our supposess them are not guesses, and full to account for the mathematical up-

is a half of the born depart before they have broatled our worth. At Odesse the mortality is still more any two thirds are dead by the age of three young to meral empire of Kussa the operations of the mortal exhibit some peculiarities which are striking.

half of the born die before the age of fifteen; } but of its province the far larger proportion disappear a years of age 1/2 in others, the greater mortality ocseen five and fifteen 8

deaths which occurred in Sazony in the auscessive 32, 1933, and 1934, much above half were under six age, no reasing in each census ¶. But the greatest in of the other morely attained a fair old age.**

burd of the dead in Russia have lived from fifteen to ring off in the intermediate years in portions very propering an equality !!! but this one third comprised

Berndy water stated to the Statistical Society, from Signer lating, that in Vente, one eighth die on the day of their birth, article a mount, one third within a year, and a holf before the the computed. Aftern 1835, p. 114

pagetistion for the was \$1.312, and the average number of annual destinated on the four years from 1996 to 1997, were 1870, of the special dest 919, and from one to three years of 270 more. Second dest 919, and from one to three years of 270 more.

Thur was 1930 y 302 "If it were not for the extreme for the mostore and the fragalry and solvest constitution of those we and are trackened to the climate, Reseals would in these was as " "Face mortality under fitners in greatest in those spar the, Kirl Perin, Tutorish, and Nexal Novgorid" Mr. Pressing, 835, y 307

tery just of all ages who died under fitteen were 69] at Night , 660 to Townieb 648 in Perm, 619 in Kief " - Ib

theme who deed under litteen, 253 in each 1930 deed under five topegond 192 in Tookie 1930 in Perin 11 to the first term of term o

Morrisons has closed and rechand these purthers with great

market in

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the winds presented reproduces on the change library is transacting produced in a contracting production, or to be seen the contracting of the contraction of the con

neutrone. He has leased, they are obvered that more wise worse and Bressle in the Olivent wares be untrained. He was between its properties of the interpretate was the review of the properties of the properties of the properties of the review of the review of the review of the review and there are the review of the review

* It may be useful to make women of Mr. Distributed before, as me of

OF SIS, MIT wite shall in Transic From 1709, to 1700 increases, the age of filters and early, and of 1,100,477 between 1800 and 1816, space and the

MEST MARIN.	THE RESERVE	RECURS PROVING				
Francis in St.	76,39%		132			
* 905	76,156		798			
* 203	50,000 has be	200	The next			
Crapies me:	Library					
Press 30 to 35	70,985	, NO	578			
* 544	94,788	288	1166			
· 10045 .	SI, IOI	- 538				
and the second second	- 205,12	M	200			
Agni:						
From 45 to 53	105/894	- 500	200			
* 30 to 35 .	54,443	198	200			
· 15 to 60	115,358	- 144	a			
	- NSE	2	- PA N			
m of succession of	-	-	-			
	88,9	ALC: UNK	1,000,000			

Hermann's Dennies Stations Mon. Acad. Princes. F Mr. Stermann tiles classes the deal from Misses to state for the

Young persona:
From 15 to 15

- 555

Name and

- t Hamburgh, nearly one third died under two years of but almost one half had lived till thirty.
- Baxony, the mortality operates most largely on the ignet. Three eighths of the born in 1832 were dead unsee year of age; 1 above half were dead by six years of; 2 and almost four sevenths by fourteen; a proportion a was completed at twenty.

We then became more prolonged; but these operations reid the parental possibility to one third alone of the new station.

r Frankfort, on the average of twelve years, three sevis of the males and two fifths of the females died under my years of age. ||

From 25 to 40 40 to 45	:	:	:	12,540 15,377	41,812
Aged : From 45 to 50 " 50 to 55				16,830	21/010
56 to 60	:	:	:	15,499	49,561

23,196

Herrmann's Données Statiques, Mem. Acad. Petersb. Of 1008 who died at Hamburgh, 515 were under two years and 519 | under thirty... Bedl. Usiv., 1801. p. 227.

I quote from Mr. Presson's statement to the Statistical Society in 1, 1936

to deaths in 1922 were 47,994. Of these, the stillbern and these rose year amounted to 17,568. One third would have been 15,766; registre, 17,736.

the next year the deaths were 50,103. Above three eighths of these under one year, 19,509; three eighths would have been 18,703

1934 the effects were more fatal. Of 50,341 deaths, nearly three atts were dead under one year, being 21,200. Three sevenths id have been 21,532.

in 1922 the feed under all years were 24,06%; one half would have 23,069 In 1933 the deaths under the same period were 26,199; half would have been 25,051. In 1934 the dead under six were 15,051 in 1934 the dead under six were 15,051 would have been 25,051.

in 1822, under fourteen, 25,256, under twenty, 26,961. Four seva would have been 27,120. In 1823, under fourteen, 27,747, and rewestly, 28,558. Four correction would have been \$4,028. So in the dead under fourteen were 25,177, and under twenty, 29,966, seventha would have been 25,179.

The stead from 1817 to 1926, at Frankfort-on-the-Maine, were 6812 a and 8025 francis. Of them, 2015 males were dead by twenty, and formules. The three twoothe males would have been 2021, and the fifthe Semiles, 2020. Bull. Univ., 1821, p. 49.

These instances will suffice to lead us to an adoption principle that the laws of death, in their general opera all countries, according to the established agencies and of nature, confine everywhere the renewal of the popu and all increase of it, to a portion alone of the newbor that this portion is not more than from one third to a of each living generation. It is most frequently near one third; but from these must be deducted those w come too old to be parents; and for this deduction for fourth to one fifth may reasonably be allowed. used as an instrument of limitation to adjust each non to the other, and to keep every nation in its intended tion for the time being, and to adapt and prepare it further destinies. Its graduated varieties within these o scribing limits afford all the scope and means for these fications that the purpose and emerging circumstances r

But these laws and their governed applications prech possibility of the geometrical increase of mankind, an never suffered it to take place. They have hitherto k numbers of all coexisting generations in that state whi been successively most expedient for them; and until laws and these ratios and agencies are changed, we need fear a superabundant population in the world. But no alter them except their Author, and when he change his wisdom and benevolence will make the mutation advantage to his human race.

LETTER XV.

Other Laws of Death.—Mortality increases as Births increase, rent Connesion between the Times of their Occurrence.—Rela tween Deaths and the Price of Food.—Effect of Climate and Results of Childbirth.—Reflections on Infant Deaths.

MY DEAR SON.

There are a few other laws of death, to which I c cursorily allude, as I am only taking those general vithis—as of my other great subjects—which will indic system and explain the principles of the sacred history world without that full investigation of any which their plete elucidation would demand.

Tan rather seeking to open the paths and direct the obsertities of my young contemporaries to the themes which finite their stiention, than to furnish them with that plenlate of knowledge on each object of our inquiry which their live of truth and rational views will desire; but which would lit sait the purpose of these letters, if I were able to provide it.

'One of the most remarkable of these laws, though at prestit a very mysterious one, is the connexion which there scene to be between the number of births and deaths with respect to each other. There are some grounds for thinking, that as

More deaths are accompanied with more births in any given puted, and more births with more deaths. The French economists and Mr. Sadler have pointed out this interesting fact. None can explain what it is that links them together; and I can easy notice the few facts that I know which seem to im-

the one increases the other also multiplies.

内息

But it deserves your attention, if it be found to prevail to the extent, as another testimony, how very determinately and sawfally the production of life and death has been regulated and adjusted to each other. If they be thus promotive, and, when eccasion requires, corrective of each other, the plan of both has been very deliberately and sagaciously arranged, and is well worth the attentive study of those who have sufficient bisers and inclination to pursue this curious train of inquiry by an extended investigation.

The fact has appeared at Maurienne, in Savoy.* In Normandy, births and deaths increased as either were more numerous.† In the Netherlands there were the greatest number

born where the greatest number died.

In the lower districts, the movement of the population is more rapid and life shorter than in the more clavated regions. At Maurienne, the birthe and deaths for twenty years were as to 1000 in these protections:—

Birthe Deaths	: Inc	•	•	60 46	2 .	Bui	638 694 I. Univ.,	. 664 . 660 1831, p. 256. in a larger de-
Pirthe	1801. 63,576	١.	1811. 68,600	٠.	1819. 69,63 1		1892. 62,576	1896-1830. 65,106 60,307

ALPIN PART, MIDDLE,

Then, in Zeeland, the ratio of births was one in twenty; in

The same months in the year are also allowed to have the gener or lesser amount of boths and deaths. At Frankfirth more births and more deaths occurred together, and more months and births alike multiply, a hence noticed.

Our factory counties likewise seem to multiply both their highs and their deaths by the concurrence of their extraordmay proportions; but I have not time to go through the purpor calculations now, so as to ascertain the degrees to containty in which this takes place. The more deaths in

Both and South Holland, one in twenty-three; and the double on theiry-one, thirty-four, and thirty-five; while in other provinces, as a Ramburgh, Antwerp, and Grootingen, the reates of birthe ware tunanties, shirty, twenty-eight, and of deaths forty-source, forty-size, forty-source, there are the inference that "the births are in a direct ratio to the matching."—Buil. Univ., 1837, p. 22.

In the Pays Bas 488 286

France 426 60

"H. Quetelet has verified the fact, even in the different months of the par, as he showed in his memoir on the mortality of Hrusseln, as the Lautuo observed it in Amsterdam, Antwerp, Gheur, Retrorvam, so the Haque."—Ib.

"The maximum and minimum of deaths and hirths, were in the same

"The maximum and minimum of deaths and highle wore in the same matter." These were found to be at Brussels in eighteen years, and be Lebatto in the five cities, thus:—

		818	THS.	DEATHS.			
1.77		BRUSSELS.	LOBATTO.	BRUSSELL	LOBATTO.		
December		. 1017	1007	1172	1129		
Query	-1459	. 1040	1056	1178	1206		
Pebruary		. 1157	1120	1109	2109		
March .	70.39	. 1099	1099	1100	1057		
April .	400,00	. 1079	1053	1088	1021		

All the other months were less than 1000 of each. In July the less of each of each occurred, being births, 912; deaths, 857.—Ib., p. 01.

The series of births and deaths in this city for twelve years were-

		B15 1419.		THE P. LESSON			MARKET THE		DEATES.
1017		1108		1136	1894	æ	1040		1053
1818		1134		1188	1825		1062	-	1081
10.19	-	1186		1209	1826		1064	- 2	1301
1880		1190		1163	1827		1064	- 4	1094
1881		1092		1012	1828	-	1070	400	1096
1012		1028	4	1088	1 10.21.20	17		- 2	-
3		1021		1103			13,065		13,438
-	-						Table 2007	Time	ALC: UNKNOWN

1 See before, p. 78.

The Parliamentary Report on the Factory System has ex, a table of the comparative duration of human life in d in Regund; the result is, that in every 10,000 persons wi cases, seem to arise from the larger mortality of young

The curiosity of the inquisitive has been even extended to mark the hours of the day in which the different portions of deaths occur.

In the note I will insert what was observed in twelve years at Bruscels,† which is said to correspond with the experience at Paris.1

It was found, on considering what occurred at Hamburg, that more died and were born between midnight and the sixth hour following, then in any other part of the day. o In Italy, the mortal agencies affect those most numerously who are born is the winter months, as if the winter season was most unfa-

		der twenty	Under forty years.	Forty and upward.
in a healther county .	,	3756	5031	4969
	•			
in a maraly county .	•	4279	5805	4105
The metropolis		4580	6111	2661
City of Chester	- 1	4538	6066	8934
Norwich .	•	4902	6049	3951
	•			
Carlinle (formerly)	•	5319	6335	3674
Carlisle (now)		5668	6927	3071
Bredford (worsted-spinners	١.	5696	7061	2939
Maccinefield (silk-spinning and throwing)	{ .	5009	7800	2700
Wigner (cotton-spinning)	٠.	5011	7117	2563
Present (ditto)		6063	7462	2538
Bary (ditto)		6017	7319	26H1
Stockment (ditto)		6005	7967	2633
Balton (ditto)		6113	7459	2541
Leeds (woollen, fax, and)		6213	7411	2559
Helbeck (flax-spinning)		6133	7837	2663

Thus, about as many died before twenty where the factory system

revalls as before forty elsewhere.

• "A rapid increase of population infers the birth and existence of a large preportion of infants; and therefore a large proportion of short-lived persons, thereby accelerating pro rath the time of life or age a which enter half of the population collectively are dead."—Rickman., vol. i., p. zivi.

| The deaths occurred at the following hours:---

MCRA. HOURS. EVENING. MORNING. EVENING. MORNING. 7 904 236 257 217 194 233 948 8 217 907 198 926 10 227 943 251 11 311 110 Ball. Univ., 1831, p. 60.

§ For. Ball. Univ., 1832, vol. M., p. 227. Vol. III _M

vourable to babe life.* As between the rich and poor, it appears that, after the age of twenty-five, the wealthier class have the longest comparative life. † As more males than females are born, so more males die within any given period.

The effect of the price of food on deaths has been also considered. Mr. Sadler admits that marriages sometimes increase where wheat is cheaper, but denies an augmentation of births.6

One inquirer into the value of human life concludes that a

^a Dr. Treviranus found, that of 100 born in the winter months of December, January, and February, 66 died in the first month, 15 afterward, and that only 19 survived the first year. Of 100 born in the spring, 48 survived the first year, and 83 of those born in summer, and 88 of those born in summer, and 88 of those born in autumn.—Lond. and West. Review, No. 16, p. 251.

† The comparative mortality from 25 to 80 between the rich, and peer, and the general state, has been thus distinguished :-

		RICH.		POOR.		COMMO
25 t	o 3 0	0.00		2-23		1.41
	35	0.85		1.43		1.56
	40	1.20		1.85		1.71
	45	1.95		-1.87		1-91
	50	1.59		2.39		2.21
	55	1.81		2.58		2.63
	60	1.68		4.60	:	3-39
	65	3.06		5.76		4.41
	70	4.31		0.25		5-85
	75	6.80		14-14		7:30
	80	8-109		14.59		10.32
			•			

Bull. Univ., May, 1830, p. 301. At Baden it was ascertained that the richest of its circles was the

least increased in population.-Ib., 1831, p. 44. † All the burial accounts prove this fact. The registered deaths for eighteen years, from 1813 to 1830, were, in England and Wales—

1,996,195 males; 1,942,301 females.

In the ten years between 1821 and 1830-

Rickm., vol. iii., p. 487.

Russia, in 1834

1,251,105 males; 1,211,802 females.—Ib., 496.

Male deaths, 657,822; females, 633,176. Denmark, in 1830 —

Journ. Petersb., 12th March, 1826.

16,296 male deaths; 14,998 females.

Porter's Stat. Society. 6 On this point Mr. Sadler disputed Mr. Milne's conclusions, that an increase of food and a reduction of its price not only promoted marriages, but made the children more numerous.—Vol. ii., p. 225. His 15th chapter is directed to show that it is not true that man breeds up to the level of his food, and that he multiplies in proportion as it becomes cheap and plentiful.—Vol. ii., p. 236-55. He thinks that, although case and affic-ence increase with increasing numbers, yet they diminish the profile-nces, and thus limit the multiplication of mankind.—Vol. ii., p. 355. successed price has been most favourable to it; another has esculated that low prices are injurious to the poor, especially to the agricultural districts; while high ones are most disadvantageous to the manufacturers.† But these topics concern subset the relation and the conduct between man and man, and the proper legislation or regulations with respect to them. Providence commands the supply to arise from its general surface slike, whether spinners or ploughmen inhabit it. He gives to all, and leaves it to ourselves to take, apply, partake of, and distribute.

It has been discussed what effect locality, and climate, and civil institutions have on human life and fertility.

• Mr. Mine, in his "Treatise on Annuities," infers that fewer die wheat is not too low nor too high. Too high a price causes a searcity; and a too low one, a want of sufficient wages or employment. Be compared the prices of a quarter of wheat with the mortality that occurred under them, and thus calculated the results:—

Under 40 shilli	ngs		1 in 37 di
From 40 to 50 "	٠,		1 in 39
50 to 60 "			1 in 41
60 to 70 "			1 in 46
70 to 80 "			1 in 45
80 to 90 "			1 in 50
90 to 100 "			1 in 50
A home 100 44			1 in 42

* Mr. Bain has calculated the burials in each inillion of population, upon an average of forty years, from 1780 to 1920, and compares them with the prices of wheat a quarter, and deduced these results —

			Bunsis		Burials in			
Wheat.		Seven	Manufa	ctur	ing	Seven Agricultural Counties.		
			Countie	J.				
Under 40 s	hilling		21,430				25,165	
From 40 to 50	44 -		22,364				23,112	
50 to 60	44		21,030				21,181	
60 to 70	44		20,354				19.700	
70 to 80	4		19.502				18.925	
(40 to 90	44		19,473				17 550	
90 to 100	64		19,206				17,417	
Above 100	66		23,780				20.496	

The general average of the relation between the prices of wheat and the sember of deaths has been thus reckoned on a million of the burnals which securred between 1793 and 1890:—

Under 50 shillings

rros	30 10 00	•	•	201,0110	
	60 to 70			90,030	
	70 to HO			19,503	
	80 to 90			19,473	
	90 to (00)			19,206	
Abore	100 shilings			23,740	

Metrop. App., 1835, p. 236.

21,860 burials.

Mr. Sedler infers that population lessens as it becomes condensed, and is lower in mountainous countries than in plains, and in the frigid than in the temperate regions of the globe.* A French gentleman, who has ably investigated the aubject, decides justly, that population is not confined to may one law, t and that soil, climate, and temperature have no direct action on the intensity of the productiveness, except, in particular cases, from the particular causes which he enumerates.‡ He ascribes great influence in this respect to sufficient and regular employment, of especially under a mild and free government; || justly connecting the laws of our increase with our social and political meliorations.¶

Another limitation of the maternal supplies to population takes place in that diminution of the producers which attends the very period of the arriving nativities. From the London bills of mortality, this would seem to occasion a deduction of portions which vary from one eighth to rather more than one twelfth of those who die that could be mothers. This occurrence, by withdrawing so many of the essential fountains of our earthly being, is a proportionate preventive of the overwhelming excess which has been so seriously dreaded.**

^{*} Sadler, vol. ii., p. 352-4.

[†] M. Benoiston de Chatsauner's notice on the intensity of pepulation was read in the Acad. de Steiences, 22d Oct., 181ft. He says "that sher the births nor deaths follow a law common to every country; the proportion varies from people to people; from canton to canton; from town to town."

^{† 1}b.
† To have work is to have the means of living. Hence, in manufacturing places, where there is a continual demand for labour, the payalation is in general numerous."—1b.
|| He adds:—" There are not numerous births among a poor or ep-

^{||} He adds:—"There are not numerous births among a poor or eppressed people, or where they are deficient in agriculture, industry, or liberty. Hence slave populations diminish."—Ib. It was an accertained fact, that in St. Domingo, in 1788, three black marriages gave only two children, while every white one had three.—Page, Traité du Commarce des Colonies, p. 218.

I "These medifications of the population, as well as those of marriage and death, are atrictly connected with the state of man in society, and are a certain indication of the goodness of these institutions, and of their degree of civilization."—Fer. Bull. Univ., 1837, p. 17.

^{**} I ground the calculation on aix bills of mortality now before me for the years 1818, 1824, 1832, 1833, 1835, and 1836; taking from each of these the numbers of both sexes who died between fifteen and forty-five as all who could be mothers, as nearly as they can be calculated, and considering one mosety of these to be females, as the total amount of all shows that they were only a little less than that portion, I find these results:

'all-constituted or rightly-educated mind will be alarmed tnowledge of such a possibility; for it is to the honour emale spirit, and one of its greatest moral beauties, cherishes those religious sensibilities which impart a tion, a confidence, and a well-grounded hope of promuccour, that pocularly avail up when human amountnamed bernedit. But such events are quite sufficient to with parents receive the safe delivery as a providential e; to seek for it as such with judicious foresight; and eas for the happy made a grateful acknowledgment. a have felt the windom of such conduct, and the med the favour and promitions aid on such occasions. And as thought it necessary, or that it would be useful to to their Leanna and Hythia, and other imagined beings, upplications and thankagiving, the Christian mother the tens carnest to tentify to the Divine reality whom wee the gratitude she feels for the blessing she has re-

establishments and varieties of our Christian faith have. re, some ascred ceremonial of this sort; for it is one deares of the homan heart to have the means and the mity of giving voice to its thankful emotions when it a benefactions from the guardianahip it hopes for, he always rational, and, indeed, a duty, to use, with columna, every preceding care; and to coulds withrehemmon in the professional skill which may be se-

Yet the great palladium which, on these and on all moa emergencies, should be secured, as the most certain ion, in that support and benediction which is very rarely, solutied in van when the heart petitions for its boon; en the mind believes that, what it deferentially asks for, deen wine and kind purposes avert it, he graciously be-

very country, the laws of death have been permitted or ed to take away very largely the new comers in their One third die, in some countries, in their first

[[]Bad in childhed, 22] , the females between fifteen and forty-five 4 , proportion, 1 in 10 2 3.

Dust 100 females, 2013 , nearly 1 in 13. Dust 243 females, 2031 , 1 in 10 2-7. Dust 275 , females, 2059 , 1 in 10 1-3.

year, in others before two years, in ours meanly under three. As knowledge increases, and perental judgment improves, and the desire to rear the offspring enlarges, and the dread of inshibity to maintain them lessens, and more care is theusful applied to preserve them, this very early mortality will be much diminished. Yet it seems too great to be entirely prevented by any human efforts. It has the appearance of being one of the constant laws that are at present attached to see

perental system.

This dispensation is one of the afflictions which has he assigned to accompany the present state of our existen but it leads us to recollect that the spirit of life is not as guished by earthly mortality. It is only born here to a also elsewhere, and the action of death is but a removal of t to another locality; so that, as far as it concerns the in vidual soul, it can make little apparent difference to the whether it passes its being in this world or in another. while it is in being, it must exist somewhere, its removal by death only changes the scene of its consciousness; and then this occurs in infancy, the transfer is effected before its vo affections have become much developed, and while its actual place of being must be most indifferent to it. If it denote from parental attentions here, to which its birth entitled it it is still under the care of its best and greatest Parent, and connot, therefore, be in any way injured by the change of its place of being.

We know not where this precisely is, or in what society is passes; but we may be certain, from the manifest benevolence and assured kindness of our Almighty Benefactor to every unoffending human creature, that the removal never will be the disadvantage of those who are thus removed; and their disappearance, with the conviction that they are living happy in some other region of being, will then be a means of estimating our thoughts and affections from our temperary weld to those grand future destinies which we are expected never the second of the second control of the second of the se

forget.*

* The Rev. T. Dale, in his pleasing poem on the Death of the Lest Child, has consoled himself with views of this description, which it may be scothing to others to read and think of.

Farewell, my young blossom!
The fairest, the floetest;
The pride of my bosom,
The last, and the wrestest.

On then my heart control
All begon earth could cherisk:
The spoiler hark costs r'd,
And then too must periok!

I one thy bloom weating. And cannot restore it; The end now in heating, The want to deplore it. Conid prayers detain these, An pole throu art 1911g, I would not ere turn these To 1944, ever dying:

To linger—to languish—
That life may be serrow?
Through the might pern and enguish,
No rest on the neserow?
Oh! men may deep deraber
In mency steel over thee!
Earth can but encursiver,
And heaven in before thee.

The level-cost of descript "When any unit opposed them, My arm at it was necessarily prayer at it was necessarily prayer at it is about 1 flow waterons that aughing "My prayer has necessarily my prayer has necessarily "The head—also is dying!

My God! I adore then!

Become the freed uptril
In gladeses before then,
A crown to inherit
Take the gent that thru gavest,
Take the flower thru does never;
Take the soul that thou savest—
It is Tutan and for ever!

Christian Kornska, 1977.

LETTER XVL

Skatches of the Plane and Principles on which Population has been onducted; and of the Purpose which are effectuated by it.—It never has been injurious to Society.

MY DEAR SON,

Having gone through our statistical examinations of the natural laws and experienced course of human population, we may proceed to reason on the Divine plans concarning it for

which we have laid the preceding foundation.

From the historical information which we possess of the state and transactions of the world before we were born, we are entitled to conclude that it has been, from the beginning, decided by our Creator that mankind should multiply, from the few survivers of the deluge, into their present numbers by slow and varying gradations and in separate populations. They have branched off from their original stocks and from each other into numerous distinct settlements or into migniting tribes, of which some have become nations more or less lasting. From the results we may infer that it was his intention that human nature should exist upon the earth in this condition; and should have their various transactions with each other of amity and hostility which the annals of each nation record.

It is clear, from what has taken place, that no irresistible, or unchangeable, or ungoverned law of population has ever operated or displayed itself in any part, and never in the geometrical ratio; but that, in all ages and nations, the multiple cation of mankind has been permitted or conducted under special laws and to special results, peculiar, not to each terms torial region, but to each aggregation of human society that

has spread and settled in its habitual locality.

We perceive, from the history of each nation, that it has never been in any unceasing course or ratio of augmentation or decline, nor fixed in any stationary pause. If a stationary law had been made the permanent rule, mankind could not have multiplied from the time of its promulgation. But we perceive that they have enlarged into their present state. Therefore, no paralysis of this sort has been imposed upon these

nor has the resistions low of any augmenting ratio, as a Makhanian ratio, have, enforced upon them, for by would have neces overwhelmed the earth, to the imde, or, at least, message danneles muchers to which a lector has alluded.

state two usy low of decline, deventation, or minory fluctual on human minute, for then every tribe and kingadd two a long nine gene to weate, and mankind would need to be a living order of beings in the universe many in age.

ad of either of these leve having been under the relasormer of tennes life, the system has mainteely been should be occasionally used. that each of them should be corres of business life, but that the agency of each ha segulated and guided by the visions of their finits as to execute his place and accomplish his purposes demonstrators of business allers, and in effectuating the both he has designed that every nature should presenting uplies. On this plan the populations of Europe lave lettered, often kept stationary; and trong again by some underen, but not advancing with a measured pre-

"Ming to these plans, he has curred some populations "up and decline", others to become statements of the base of the base of the base and all to including those alterations and vicinalists to the stated has great proposes that they should an a Population has produce that the they should an a Population has produce team left absolutely to be then given it room and to ense to vary, as homes will make after teal it, within the limits which has been been discussed in all the base in the base of control there been always as thely provided discusting. The elements of our life have been al-

there and gradual multiplication of machind appears in the last d in the periodical papers of the day which have find come to between 1 1-81

Monitorial constanting a table of the perpetation of financia for 1896, and and 1896 and 1896

tion of the resid existed industrial of Europe, is full peace and p, has increased from their a test thing to their things of peace and only at the true verification to destribe in a builded and BBy appearing that has notice augmentative continued understanding and BBy appears.

ways under his superintendence, and have always taken the course which his purposes have required. Hence every nation exhibits a special and peculiar series of result, both as to its coexisting numbers and its social state. Those which once flourished have at length disappeared, as his plans appointed; and those which are now prominent have arisen into their present multitudes and history by no fixed law er ratio whatever, but by those graduations, suspensions, alternations, and successions which each displays to the observing judgment.*

The Divine plans as to each particular population must be sought and studied in its particular history; and with the lights afforded by this, in the bearings and connexion of it as the transactions and states of the other nations with which is has been concerned; extending, likewise, the observation to the condition and course of the rest of the contemporary word, and of the future events which it has more remotely contributed to effect; for the plans and agencies of Providence are framed on a large scale, and with long, and expansive, and numerous consequences.

* About 200 years ago, Olaus Rudbeck, in his "Atlentica" besset of the prolific nature of his Swedish countrywomen. He thought the tobe one of the distinguishing natural advantages which Sweden was enjoying; yet notwithstanding the fact, of which be gives instances, as unusual increase has multiplied the population of Sweden. On the contrary, we see in the following series the same gradual increase has which seems to have been the most general law in Europe during the last century, and which confirms the view we have taken of the real laws of population and their natural results. The Col. Carl. at Farsall in his "Statistik von Schweden," presents this statement to us, valuable for the length and continuity of the series, being eighty years:—

In 1751 the population amounted to

1191	·	wy		r emb	- mare		•	•	1,100,121
1760		•							1,893,346
1772									2,012,772
1780						•			2,118,281
1785								:	2,142,273
1790					_	-	:	:	2,150,493
1795		-	:	-	•	-	:	:	2,280,441
1800		-	:			:		·	2,347,303
1805		:	-	:	•	•	•	•	2,419,773
1810		•		•	•	•	•	•	2,377,851
1815		•	•	•	•	•	•	•	2,465,066
1820		•	•	•	•	•	•	•	2,564,690
1825		•	•	•	•	•	•	•	2,771,252
1020		•	•	•	•	•	•	•	8 000 AOB

At this rate, Sweden would be 100 years in doubling its population, it continued in a similar augmentation

cording to all these relations has the population of every y been regulated and conducted. Whe has been man pected to be repeated in the principle of the unrection rill so continue, always with reference to each part are evolving future. We seem disparted from early other re in frequent competitions and alienations, never timesat, as nations, we have any affinities with earth other. hese are human feelings and prejudices We are al. ers of one earthly family in the view and meaning of reator. We are associated together, and regarder as ace and order of beings in ms mind and plans; and it. all the generations that appear and depart are likewise ected together. Our personal interest with our work with each other cease on our individual death, as the parof our own body separate from us to be replaced by But every new generation and all their individuals his sight, but so many successive portions of one hunature, of one great order of human being; one expangrowing, fertilizing, fructifying, and improving mind, exin millions of individual frames, and acquiring in each and qualities which others are without; but al. still the ified compartments of one great scheme and theatre of nce, whose final state seems likely to be the concentrain the last populations that shall possess the earth, of al. ttainments and improvements which all their branches redecessors may have acquired. This collective constion of the past and present, in the individual mind that es to lead an intellectual life, is aiready largely taking ; and our many scientific, literary, political, commerand civil associations of all sorts, are each contributing s result. Inouisitive persons are becoming more the real

The expansions or contractions of our various po have been always governed on these principles. cies are invisible, but their effects appear in the resu are successively educed. At present an augmenti ence has been given to them; but even this is active moderation in its impulses which implies a directing 1 Our own numbers seem to increase most largely; and advert to the fact that we are now the most colonizi in the world, we see an intellectual connexion of de execution between this political tendency and our multiplication.

The English, Scotch, and Irish populations are a led to be the greatest settlers of the distant and le vated regions; and they carry Christianity, morals, erature, science, manufactures, commerce, taste, good feeling, and good sense wherever they enter

Their increased multiplication bears a coeval d these increasing colonizations; and I cannot but it there is a mutual relation between them. The coi corresponds with the supposition, and indicates the from which it originates. So, in ancient times, th plying nations were the founders of new states, a urged by their increasing numbers to be so. But wh great objects were accomplished, we hear no more exuberant populations which had occasioned their mov The augmentation was imparted to induce and enal to perform what they were appointed to effectuate: a the more stationary laws came upon them, because th ing ones had ceased to be necessary, and would, by th tinuance, have been pernicious.

Let us, then, regard the populations of the world a and instruments in a great providential drama, movid all the scenes that surround them, to accomplish in de and succession what the Divine Author and Invento universe has conceived as to our earth, and is, in their actions and revolutions, proceeding to occasion and co His plans are always moral and intellectual, and are and put in execution to produce moral and intellectual He is a moral and intellectual being in the most absolu fection; and he has created us with a nature, and en us with a capacity, to which the same epithets are app sich must be trained to acquire the qualities and excelwhich appertain to such a being. From these consids we may infer that one of the chief purposes of such a r as to us has been, and continues to be, to moralize ellectualize our improveable spirit into all the improves of which it is susceptible. The process he has been g to this end has already worked out results which ariched our nature with wonderful acquisitions. Man what man never was before. Nations, like some of which now are flourishing, never did or could appear h in ancient times or in preceding ages. His plans suches are still in full operation, to extend, and refine, akuply the astonishing produce which is everywhere

ing from human talent and industry.

it he has already done for us all, and inspired and asill to attain and accomplish, demonstrates that mankind ighly-favoured portion of his intelligent creation; and me our own fault if his benefactions to us, even in this are not greater and more universal to our various than those we have already experienced. The bounty ipotence has no limit to the possibility of its diffusion : muires a fitness to receive before its munificence can be The more we increase our capacity to be blessed, e benedictions he will be desirous to grant to us. Such t will never confine his progressive blessings to those e has already so distinguished, if they will be as gratehe gift as he is willing to give. His kindnesses will men, if we be as attached and as obedient to him as es to be benign, and generous, and affectionate to us. son is cloquent on this principle of his Divine nature. conclusion from these views of population will be, the laws and system of it have been so carefully and adjusted by our Creator, and are so fitly and dey superintended and regulated by him, its augmentaould be considered always as his will, permitting or ag, and therefore as never detrimental to the welfare a society. We cannot too often remember that the a of his government, in all things, is to do good and to god. In this spirit and on this principle he created th and all that it contains; on this he examined and of what he had made. He found them to be good, and ised their perpetuation because they were so. (h Щ.—N

this principle he has continued them, and on this he rules at disposes of all things that he directs or constrain. On the principle all his interferences take place and all his informaare imported. Benevalence in his purposted faciling; bend conce his uncousing purpose; benefiction the universal of and product of his administration and operations. Both he creation and his revolutions display and authoritions by if these features of his Divine character; and on these we ufreason on all that he does without four of minisths. Gulfi by the conviction that he conducts the course of human libra a truly wise and Omnisciont Purvot, over provident and gacious, we may infer that he acts as such as much in multiplying his human zero so he did in creating it.

Indeed, all multiplication is creation; but it is quasiling intermediate instrumentalities, instead of being problem; as nomific fast. All things areas to being at his well, it they so areas with provided machanisms in these which estained living principles, through which his forming potential intended by him to operate in all their subsequent number toors. By these mediams he new creates, and every generation is thus as much his formation as their fast in

amcestors.

We may therefore believe that the continuance and crease of population in every country is a blacking and a life efit, both individual and social. Existence is his general benefaction to us, because it is that to which all others do and must be attached; and it is a benefit not meant in a confined in any merely to themselves. In our own man are all designed to be benefit to each other. We have been largely so in every age and nation; and it will be our person fault if we be not always mutually serviceable. The person benefit the richest, and they their inferiors. Mankind counterist in any peaceable nation without this ever reciprocally advantage to each other. The benign effect would be increased if it were more intentionally prosecuted.

Let us next consider some of the adventages which may be

discerned to accrue from enlarging population.

LETTER XVII.

Berreseing Population may require some new Civil Regulations.— Statement of the Natural Advantages from it.—It cannot arise if there be not Food for it.

MY DEAR SYDNEY,

That an enlarged and enlarging population is a national good, which every statesman should promote, and which parameters in all countries should desire, had become, from the superience of the benefit, a sort of maxim in politics before the Malthusian theory infused an unnatural dread of it, from the alleged effects of the supposed alliance between multiplication and starvation. The suspicion of such a link, which the public assertion of this doctrine excited, has occasioned assert to regard those poorer multitudes, of whom all nations mostly and necessarily consist, as endangering and oppressive secunitarizes, which causes and perpetuate the largest portion of the innery and crime with which society is afflicted. These ideas have put philanthropy into a state of civil warfare within itself, and have arrayed some of her best friends into an undesirable hostility against each other.

The examination of the contested points has made me much regret the differences of those who are all really zealous for the public good, and I believe as much so on the one side as on the other. I have at least been acquainted with very honourable and valuable men who have esponsed opposite views on this important theme; but the meditations upon it have ended in my conviction that population never will endanger any civilized society. On the contrary, that, as it multiplies, it will be the strength, and support, and benefactor of the community, wherever it prevails. It will indeed occasion some new laws and measures to be necessary to adapt the coul state, and some of its provisions and institutions, to the new circumstances which arms from it and will accompany it, but this is no more than what the increase of our commerce and manufactures, and of every other element of political wealth and greatness, also requires. New events,

new positions, and new relations always on of administration and much additional population will place us under a similar ne also bring with it the augmenting knowle which will not be slow in discouring the that will make the national incre ment, and a general comfort and blessing. show that in every reign we have had now re lished by our legislature on many subjects of a est, in order to meet and arrange the new o arose, beneficially for the parties interested a munity at large. The same application of fresh d adjustments must be, from time to time, repeats age: for mankind are always moving to new n circumstances, and into new personal states and We are not what our ancestors were: we are new a new minds, and with novelties increasing insta ing all around us; therefore, although the late Mr. Wu complained of the applications to parliament as to like the parish pump which every one was work though it is a querulous objection to our laws and I that they are trains of volumes instead of branca a pemphlets; yet, until society becomes peralyzed as ary—until both our moral and intellectual activities into ignorance and torpor, we must, in every menein ceive and put in action the additional means and which the safety, as well as comfort of society, in its 1 state and difficulties, will require. The more wisely this is done, the more the public welfare, and the individual cases satisfaction, will be reconciled and promoted; but it m no time be omitted, unless we sink into Mussulman and Spanish debility. Nor will there now be any want of men or minds capable and willing to effectuate what will be thus needed. Benevolence never influenced more a nation than it is now actuating the British dominion also, in wish and spirit, if not in efficacy, every other E pean state. We may have most power, freedom, and or tunity of practically obeying and realizing its sugg others are desiring what they cannot yet execute. is manifestly now becoming, more than ever, a public prince of conduct; and even statesmen are, in most cabinets, excha ing very much their old Machiavelian craftiness for the nobprinciples and grading later of intellectual inclusions. It he daily becoming more thanker and invent to a stherwise It is as great a degree to be trust eather an interior in the Melestrie erater eraterrieri il di tradi dellar. In the extension of the state o nation Some man regions to an interview source at hanne and mineriest equivalent and are common times, oneduct will ame terre as marriage and assumence . There is also a group deal of their miles than lettless of miles when it elikotzu kot empuntut a toetto- totalopaka 👓 protose mana éstadeste tadagir ell effici. Un le grofil streil will be hard that the finds and is around that i save the it has been. Empresse mit entraine measure merments, the compact which strain interest for this wear and the example of even minuting that have are no borating the minds or all classes of access of the section benefit in purseries it is a vittles and a service of their tre «Serced». The properties in therefore, the larger creat be, that whatever new profits the and process the accompanboas the methical gross rectards a little general to be frest confirmations after them the arrival and a confirmation of the confirmation of t the shanes is some them. Infinite was sent to the Touse the determination stiff of the green to meet, a community ing them. It is this that the the up-to-level even in the Everys of extinguishes the first the first the first facilities

For these research with a time of the latter of the existing in our there and are properly and there are provided from the sound we are the form meaning and sound with the sound attending to the sound and the form of the form which will be present and the form of the pointed with appropriate to find and any others will be effect and successful with a providence to what hashound the appropriate to what hashound the appropriate which are former with the form of the pointed with appropriate to what hashound the appropriate which are former with the appropriate to what hashound the appropriate with a providence of the pr

Let us then not frest enaming numbers of the measures of severity agains taken to make over a size too and and antherest in terms them in the insection and antherest in the most published measured and in the insection measured and in the insection of the source of the insection of the insection and the insection and the insection of the insection and the insection of the insect

Let us now miture mut the neuestra which at menorand

THE SACRED HISTORY

llation occasions; and then consider if any a from it to overbalance them. But we w the mistaken principle of seeking only the ss of the greatest number; because this see evil principle in its pratical applications, as rpetual sacrifice of the minority to the majori lay be made miserable that fifty-one may reater number may enjoy and tyrannize the heir pleasure and for their convenience, sul Instead of this, we will be guided by the Ch doing good to all, and of doing to every one

All national greatness is founded upon pop should be done to ourselves. There can no more be national population a population adequate to the there can be human nature without human people which constitute every state, not the They form the country, which takes charts of history; and nations arise to be populations enlarge. It is this increase family into a tribe, and a tribe into a people, a powerful, civilized, and distinguished multiplication anywhere, and it dwindles feebleness in every age and climate. symptom of a thriving country is the incre

It was not Africa which made Carthage tion.

the Tyrian emigrants, who, by their settlem cation, formed and established, as they incre ginian empire on the African shore. tilities broke up the Punic population, the and nation disappeared, though their territe it was, and the walls and edifices were lo it, and new comers afterward stat

It was by the continual en populations that Greece arose, wi splendour and fame within itself, its immortal nation by numerous set elsewhere.*

* It is an interesting fact, that, in our occur of the Athenian colonization of the been found in Adria, and led to a discount

n this cause all the great empires of antiquity, and the cons kingdoms of modern days, have ascended to their and celebrity. The multiplications of their populations ways been the basis of their progressive eminence, and wall be the indispensable materials of their stability, iffluence, their interior strength, and their external

The Roman empire fell for ever when its population attered and consumed. Its hills, and Tiber, and city, but the ancient greatness and the ancient Romans anashed together, to reappear no more. A nation once mated can never be remade.

elements of all political advantages and grandeur to a y he in its population, and nowhere else. The richast s gold and diamond mines, the finest quarries and notyers of any region, are nothing to society without the and arms that extract and apply their utilities from the reground which contains and conceals them. It is mulwhich makes a people, and their local station becomes ant and dignified in proportion to their increase, and to etivities which their augmentation excites and makes ary. Wealth, industry, produce, arts, comfort, conve-, influence, talent, and power augment as they multiply schine as they diminish. There is not a single state or which has arisen to notice or fallen from it but illus-It is, therefore, to act in contradicthese conclusions. p recorded history and to living experience to assert plarging populations are not a national benefit, and have on the solul means by which national aggrandizement minion have been most effectually established and un-

m this general reasoning let us pass into more particu-

sulation cannot increase, unless there he subsistence to in it, and never arises where there is no provision for he food was made at the creation, before the living were formed who were to use it; and in every period

smeaton could have been between that region and Adria. No siten in ancient authors elucidated the question: but in this last w, 1826, Mr. J. Ross, who is making excavations at Athens, in sten of his archeological researches, dug up an inscription, which that a colony from Athens, under a lender named Mittrades, set Adria 225 years before the firstsian ers. He has tasty guithshed sensi in the "Eusenblatt of Situagard" of this discovers:

since the same order in the course of nature has easted. Provision everywhere precedes the gift of life. No animals of any kind arise where there is no food; but all which come into being find their maintenance at hand. This plan is so remarkably and invariably pursued in all the systems of noture, that every animal mother which does not herself feed her young, is always led to lay her eggs where the emerging offspring will find what they require. I believe I have meationed some instances of this sort in the first volume of these letters.

In the human race, the parents would not be alive to have their children unless they had sufficient sustenance to keep Therefore, the existence of those who themselves in being. live, and the fact of females being mothers, are at all times evidence that there is on the earth, or regularly arising from it enough to maintain every coexisting race. There could not be either parents or offspring unless this were the case. Population thus follows subsistence, and never comes where the Hence the very appearance of population is a testimony that the food which supports them is at that time in existence also.

That food is then in existence is likewise a pledge to w from nature that it will continue to be producible. More food has hitherto always come from the earth as man has spplied for it, although he has been increasing from six persons to a thousand millions of human beings. The experience of her past bounty is the only pledge we have from nature for her future supplies: for we must remember that she never gives more than an annual sufficiency. She must renew her gift every year, or we all perish. The whole of mankind are, therefore, as much living with the possibility of being starved as any increasing population can be, and perhaps as much any individual is. We cannot command the sunshine, nor govern the rain, nor avert the frost or hail. We are therefore at the mercy, every year, of him who has this power; and if his constant kindness in this respect releases us from any sctual dread of the failure that would ruin us, it is fractious selftormenting to harass ourselves with fear that the additional need of a fiftieth or a hundreth part more will not still be producible as it hitherto has been. The existence of every population, whatever be its numbers, is therefore a demonstration that it has sufficient food; and the uniform increase

of it, with every enlargement of mankind for the last 4000 years, is the surest pledge we can have that the augmentation of the one will be attended with the same augmentation of the other, which has hitherto never failed to arise. We have as much reason to doubt the coming of the supply at all for any. as to be apprehensive that it will not come with the augmentation we may require. He who grants it has thus far always granted it to our fair industry, in the quantity which has been from time to time wanted, although our claims for the donation have been from age to age enlarging. To suppose that he will not continue to do in this respect what he has, up to this moment, invariably done, is to believe without the smallest evidence, and in opposition to all experience, that he will now suddenly change his system, both of nature and Providence, and doom us to destruction for continuing to fulfil his will in perpetuating the series of his human race. Our conclusion therefore is, that the very rise of population is in itself an evidence of present sufficiency, and that is a token and an assurance of the continuation of the supply.

LETTER XVIII.

Further considerations on the Benefits which arise from an increasing Population.

MY DEAR SYDNEY.

The visible results of an increasing population display to us the benefits we derive from it. We will notice the most prominent of these, as they regard the nation, the age, and the individual, and as they affect human nature itself.

The appointed and sustained division of mankind into many nations makes their comparative populations important objects of their concern with respect to each other. 'The most numerous are always the most powerful, if other things are equal; and this superiority balances many disadvantages, and puts the less populous in the greater danger of aggression or conquest. Unless, then, other nations are willing or able to curtail their populations, we must grow as they grow, or we shall

be in our ordinary power while they have magnified into t giant's strength. If, then, we desire national safety, independence, and foreign respect, we should rejoice that the living materials from which we derive them increase in full proper tion to the popular multiplications of the surrounding comme nities. The smaller our numbers, the less must be the amount of our naval and military protectors. These must always in a proper ratio to the amount of the whole people for a due portion only can be spared or maintained by the rest To be in the first rank of existing powers, our numbers mus keep in that quantity which raises others into that stage; if not, the diminution will lower us into those inferior rates t which national disadvantages are continually accruing. Hence in this day of large kingdoms and populous nations there is a alternative between enlarging numbers and inferiority, dange and decline. But experience everywhere shows that there i far more general comfort and competence to every class t society in a prosperous and powerful nation than in the which are feeble and subordinate. One of the statesmen greatest objects, in taking the census of his countrymen, is t show to other states the advanced strength, the ability t maintain its independence, and the flourishing condition of his own. The increase of its population is the most compet dious evidence to other governments of the internal vigour at social healthfulness from which it has arisen, and its suff ciency to be its own protector. An increasing census is a enlarging shield of defence from all exterior aggression; it an ægis which deters as well as guards.

Every newborn individual, even the poorest, must, if I lives, have food, clothes, and habitation, furniture and implements, and conveniences of many kinds which he cannot, in civilized society, make for himself, but which must be works and provided by others, and be sought for from them. Evenew comer, by this demand and its supply, cannot but sue ment the productions, and, in them, the property of the society to which he is added, and furnishes further employme for those who must earn their enjoyments by their labor and who are ever willing to do so wherever that is required. Agriculture must raise more corn; the manufacturers faborate more goods; the builders erect fresh houses or cottage artisans of all sorts must make more of their commodities.

Thus increasing population increases the activities of every part of society; and no one can deny that, if the added numbers find enough to eat, they do good to all by their other necessities. The more they want the more they benefit; for all the arts, trades, professions, and manufactures seek for business and demands. The more orders arrive the happier and more thriving they are. It is for their fellow-creatures that they work, and by the use which others make of their productions that they live. They send their goods abroad only because they weave and work more than is wanted at home ; but if the domestic demand enlarges, as from additional numbers it always must, their profits are greater, and the remuneration more immediate, and their trouble of the exportation avoided. Thus augmented population stimulates the industry, increases the ingenuity, and augments the property of the country, and causes the working families to be more employed, more comfortable, and more contented. Every man wants as much as he could make himself. The newborn being, therefore, never brings into society hands to be idle or indolence to be maintained. The necessaries he requires others must supply; but he must also exert an adequate degree of his own labour for their benefit in order to procure them. Hence no additional population is a burden on any one. The existing work for the new arriving, and these for them. It cannot be otherwise. We do not pass the newborn into an island to stroll and slumber while the rest maintain them. They shoot up among us, and mingle with us in all our business and activities; and the young, as they mature, contribute as much to support and benefit their elders as they have been benefited by them. But if the population languish, arts, industry, production, and com-There cannot be more of these fort lessen and languish too. than there are individuals to exercise them and to give them employment.

Thus far I see no reason to question the advantages of an enlarging population, viewing them in the lowest and most material form, and in their national effects; but other considerations open before us, and present to us benefits which enlarging numbers occasion to their age, to themselves, and to human nature itself.

The talent, the energies, the inventive skill; new discoveries of the utilities of natural substances; new thoughts and modes of applying these properties to the productions of new

commodities, or to the multiplication of former ones: the creative activities of the human mind, and the now most abundant, more diversified, and more universally diffused conveniences of life have in every country increased with their increasing populations, and most signally in our own. The more people appear in our country, the more we inyent, in ricate, possess, and enjoy. Our comforts have augmented with our numbers, and ever will and must do so, because they are the makers of all; the more comers the more makers and the more consumers too; every newborn person is sun to be a new customer, for every birth multiplies the hands that are to make, the minds that are to devise, and the bodies that want supply; but all who want must provide themselves with what they need, and must therefore make it, or do what will induce other makers to give them what they require. No one can live without the necessaries of life, and no one bestows them gratis on another in the general course of things. We exact of each other that every one shall exert his own powers to provide his own maintenance; and this can be only effected by doing something that will be serviceable to others. and that will induce them to exchange for it what will be useful to themselves. Hence the more people that arise the more of the necessaries and conveniences of life must be made; for if, as in wilder countries, others will not provide them for us, every one of us must make more for ourselves.

Thus the necessaries and conveniences of life in any country, that is, its property and wealth (for these constitute is substantial wealth), must increase with its population. The greater number need more than the less, and cannot exist if they have not the due supply. Production, therefore, most and does invariably multiply with population. Its quantity depends upon their augmentation, and arises from it, and cannot fail to do so unless mankind cease to want and desire. They must have the amount enlarged as they enlarge. Hunger, cold, and rain, desires, active limbs, love of action, the sight of pleasurable things about them which others have acquired, the wish for enjoyment, and to obtain that they may enjoy, stimulate every new generation which grows up as they actuated their predecessors. And thus it is impossible for a population to increase without productive activity, and produce of all sorts multiplying in a country. We may truly deem it impossible to be otherwise; for it is naturally imposoffice for the nowbern to go and place themselves on the banks of our high reads, or in the suburbs of our cities, and commandly die swey in famina, because they will do nothing for the same that the same they need, but resolve to perish in the and idlances, unless robins or ravens will bring them find without their own exertions and inquiry. This, I say, from impossibility, for the natural appetites will not let them the them; these stimulate, and every new individual of the cathoging numbers seeks as heartily to provide himself with his necessaries and comforts as any of those who were ex-

father before he was born.

But where the population is small, the productions and property of the country are in a diminished state. If population state, they never increase. Poverty or scanty circumstances, and fewer conveniences, are the companions of small societies, as wealth and abundance are of all multiplying commutation—always wealth to them, as compared with their preceding state, and wealth enlarging, as to its comparison with their, as they multiply and learn how to gain or make what they desire. I admit that happiness is independent of riches and abundance, and may be always enjoyed without them. But if nations deem an affluence of all that human ingenuity the make or use a distinction and an advantage, they will precess these more largely as their inhabitants multiply and industriously employ themselves.

New population ensures likewise new kinds of produce of all such, as well as greater exuberance; for as it comes to be a society where all former branches of industry are trelified, the younger must either wait till the older die off in order to take their place, or must think and contrive for themselves some additions to the utilities or pleasures of their follow-men, in order to have the employment and the profit they desire. New men have new ideas, and strike out new paths, and seek to be distinguished by their novelties; and tecame they are new men, in new circumstances, and with the whibits, they think new thoughts, they discars new things, they form new imaginations, and devise new productions of atms sort or other, and can no more help doing so than they the functions of their frame.

Hence, as populations enlarge, the inventive powers of human maters are stimulated to new conceptions, and new way.

tivities, and to new creations of the necessaries, conveniences, and pleasures of society. They cannot but endeavour to increase the means and materials of gratifying, benefiting, and interesting their fellow-men, in order to be gratified themselves. There is nothing left to their choice in this respect; they must thus act or starve; and no man will starve if he can devise or obtain employment that will enable him to obtain what he needs. Population, therefore, cannot multiply without thus multiplying a nation's property, wealth, comforts, convenience, talent, strength, and enjoyments.

The MORAL and intellectual qualities of a nation must like wise increase with its population; must—I repeat the exphatic word—because it is the plan and will of Providence that this should be the result, and therefore his established system of our nature and social economy compels it to be so.

As to the intellect, this is very obvious, for it cannot be otherwise. The more minds that exist, there must be more thinkers, and more thoughts, and more original imaginations: more reasoning and more knowledge. Every man adds something, and twenty must have and add more than five, and a thousand more than twenty. When that thousand multiplies into a million, there will be ten hundred times more sensations, ideas, and knowledge, of some sort or other, then there were or could be while only the smaller number existed. A few may slumber and vegetate only; but numbers excits each other. They will talk and debate, as well as think and They will strive to outdo each other, and each to be, at least, as clever as those they see and know. None willingly submits to be inferior. The more there are, the more emulation and ambition emerge and influence. The presence of human beings is always a little inspiration to each other: common chitchat shows this; and the more there are that congregate together, the greater is the animation and the mental result. When this spirit begins, we daily see, that though, like sheep, they will often follow one another, yet, like sheep, they also love to wander from each other, and to find out new pasture and new ways for themselves. Hence it is an invariable law in all societies, that their intellectualities increase and become more diversified and universal as their members multiply. Nothing can prevent this result.

But I grant that mental activity without morality is a formidable weapon, that is more likely to be used mischistography THE RESERVE OF THE PARTY OF THE

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public and the individual morality of our improving as well as multiplying countrymen, have increased, are increased

and will not be diminished.

I am old enough to be able to remember what I had known and seen, and what my percents related to me, and in compare what I remember and heard of with what I new all serve and know; and my personal conviction of the sabilirating fact which I am expressing is a daily source of guild cation to me and of self-congratulation; lot me add, sabilireal gratitude likewise to Him from whom all improvement flows—that I am living at this time, in such a country, till

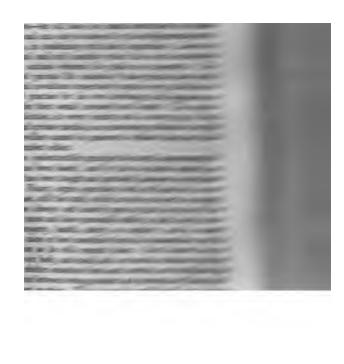
with such a prospect around me.

But it would be most unjust to my contemporaries a not to admit, and state also, the coinciding truth, meliorations which do so much bonour to human m not confined to our insular community. The spirit of ing good is moving upon every one; the breath of gently breezing upon all. In each, a new impulse to is right and best is exciting the human heart, and p the mind, and creating a diffusing dissatisfaction appears of a different character. The world is visibly ixing everywhere as its numbers increase. much to be done to be effected rapidly or cetensibly: that is well accomplished will be unseen, because it is and can only take place by its individual efficacy. tions and consequences will, by degrees, be perpetually b ing out evidence of the new process that is working, moral progression in which human society is now at advancing.

A few more particular considerations may be subjoined on the inevitable connexion between the increasing population and the increasing morality of a nation, taking this always in its fair and large sense, in the actual general truth, and said indiging by the partial exceptions or interrupting anomalies

only.

If the moral virtues were not the most useful to seekly and the most beneficial to the individual, they would have long since become obsolete among mankind. No same possion would willingly put others into handcuffs and fetture if they were unnecessary, or spontaneously encumber himself with them if he could live without them. None would, therefore, restrain or regulate their inclinations and estions by any



drunkard to the sober, or the profligate to the moral ma This certainty, and the unvarying choice of the better wh the better is to be had, act like a premium and stimulus create the habit and quality which, even in their worldly (

fects, are found to be so advantageous.

This principle operates alike in every class of social Whoever will unite the moral qualities and habits with de skill and industry in any walk of life, will be superior being in estimation, in real value, and in conduct, to those w choose to be immoral or irregular, and will be preferred. such wherever the best and fittest are wanted or sought & The improvement which their individual virtues will occasi in their minds and manners will increase their ability in a their employments, and their own comfort likewise. It: such a recommendation to be in this state and to have this character, that the propensity to acquire it is always operating and increases as knowledge and education enlarge the pa ception of the utilities, and as the failures, and sufferings, as disgraceful conduct of the contrary tendency are seen and m ticed. But the more population enlarges, the more the differ ence is observed and felt. The respectability of the moral i every rank rises always so high above the vicious and th criminal as to be a distinction in every town and village Such characters are more wanted as numbers increase; an the demand and preference for them are continually drawin others to become like them, and cause the young to for themselves by such models. This is as true of the humbles as of the greatest, and in all the intermediate states. W seek for honest and moral servants, and never willingly ploy those who are otherwise. In all our dealings, we desire to meet with such characters and prefer them. All magin trates desire such assistants, and the public require such me gistrates. In every public office and private circle, integrit and virtue distinguish the individuals who have them with the silent esteem and approbation of those who know them; and therefore, as soon as the mind becomes generally cultivated and the knowledge of right and wrong is circulated, the mere virtues increase in their power and influence. Success wil rarely be attained, or not be permanent without them: whoever wishes to be most safe, most forward, most honoured and most happy, is urged by his personal interests to be est mest to acquire and solicitous to preserve them.

cessity for their will be augmente with the fresh that arise. They will be more appreciated as the e-wanter. They will be more selecte and preferred utilities; and as they muture in number, as that arwill fail and suffer in every class from their deprecade interiority, or account of their denominer. While their ourserves it what is better, we shall never taken worse.

de ne evis atiene ai increase o populatior. None, from the increase aione. No new ones accrue winer exist peiore. The young generations come unoffendione is as a themselves, and have been planned it, the most neighbors and door from that we may mould our wishes, and make them what they ought to be departed with the continue it become producers of evil, they are trained to our maons, and only imitate it his wine the discontinue it because they have learned from its to it.

true, they want subsistence, and must acquire? Dutall among whom, they come and unit, nature tame to a what their industry solicits troit it, there will be for them to share, as well as for their prederessors to

r have likewise to be settled it some channels by they may gair, what they require now they bring new

t

crime, and penny count in all nations, and are the chicames of each other. They never dangered when purchase steps, and do not increase in man, though they may in most number, because it multiplies and prospers.

LETTER XIX

Visco of the State of the Living World in assural Countries.—The Comparative Proportion of their Indubtants at the assurating 198 of Life.—The possible Languards of Barnan Maham, and Industrial if m version Posts of the World.

MY DELE STREET.

Having thus surveyed the home and system which have been established for the continuance and governed asymmetions of the himan population, let us now consider the mind state of our Levine Works, which results from them, as the will show us the plan and intention of the Creater in again ing them, and in sustaining their deity executions.

We will begin our inquiry with our own country, as that it which, as resultents in it, we cannot be but most inquired.

One remarkable fact appears to us in our living wold, which is, that the males with us are abnost equally distill between those who are under twenty years of age and that who are older. In the year 1821, nearly one half of all the male inhabitants of Great Britain were found to be less that twenty years old; and the other moiety to be above that age. The same fact occurred again in the census of 1831. This was as true of England and Wales by themselvest us of Subland, with a little more on the younger side, separately taken.

[&]quot; " In the enumeration of hill, the makes under twenty were hills. My myward of twenty, 2,002,300; metudag all the makes whose ages und then accertained."—Breken, Enum. Abst., vol. i., p. 0.

^{† *} In the enumeration of 1931, the major known to be under totally were 3,941,495; upward of twenty, 2,044,511.*—B.

[;] Mr. Richman has chassed the ages in England and White in Miller.

Essen. Abst., p. 37. In this table those under twenty manual in 2,566.55. those above twenty are 2,592.40. In 1931 the males in Re-LASS of twenty years were 3,190.89; and those under twenty with 2,176.492. In Waller, those of twenty were 194,795; under thirt op, 199.55.—Richm., ib., vol. ii. p. 1953.

[&]amp; in 1:31 the males in Section of twenty were being and only

can Mewice nearly the case in Ireland, with some larger manage in her juvenile portion. That all the great memof our community, though differing in their localities, and many of their leading habits and circumstances, are yet r such assimilating influences as to have an approximam or emiformity of social condition in this respect, is an lesseting certainty, which deserves our recollection: the and the mature thus belance each other in the constitua of our living world: many civil and social consequences mat follow from such a partition.

But the procise year of the age which divides the proporson of the revenile and elder propulation is not the same as me in all other countries. Like all the ratios which conters our both and life, the term that separates the younger and meaturer part of somety varies in each nation; but yet non, lake them, the varieties are bounded, in these diversiin, by limits universally snatained.

Thus, in America, as we have before remarked, one half of Inhabitants are under sixteen years of age, and all the rest the t is Ressia, we found that half of its newtorn generates and ender fifteen; t while in Sazony, a moisty are Mer then either of these, being almost twenty-three years ; min France, twenty-six years is the dividing boundary of he longer leving youth ! Hence more of the young survive Demand in Great Britain than in either the United States or to Russian empere ; but not no many as in Haxony, and parbeing as in France; as if this last-mentioned country had

MASS - Rickm., ib., 1043. The division here would be nearer (wenty-10 then (wonly.

In 1431 nearly one half of the males were twenty years of age, being 746, those yearger were 1,927,115. It was the same in each of The previous.

		7# K 47 Y.		UPPSE TWATT			
Later		465,963			461,994		
Monster		542,200			661.511		
Unter		540,470			572,A15		
1-		210 122			941 944		

The jant three, having the greater portion of the younger, would make beauty dividing age almost twenty-me...- Pop. Abst. Isoland, p. 342. See bedoon, Lott VII p. 25 01.

to 1984 No males were 775.544; of these, those under twenty-three 208 , the store were 219,754.

upte (interest" for 1976, presented by the (igeds doe ficeners, relation of France to have been, at that these, 20,000,000 t

been, at the time of this census, more favourable to your ful duration than even our own. I have not seen a discrimination. The portions in Canada, at the census 1825, resembled those of England in this point.

The subsequent ages present to us some impressive: cations of the superior duration of individual life in Eq as compared with the United States of America, with have not yet seen noticed. Whether the difference of brity arises from climate, nature of soil, habits of the patherist employments, their political excitements, or their moveable life, or from a mixture of all these accidents, it be difficult to decide. It is, however, striking enough

Unde	r 9 1	ears	١.					5,968,810
Of 9	and	and	r 16					3,954,370
16			21		•			2,652,030
91			25					2,019,230
95			30					2,367,230
30			35					2,901,340
35			40					2,016,866
40			45					1,834,780
45			50					1,641,430
50			55					1.451.880
55			60					1,229,140
60			65				·	991,930
65			70					740.590
70			80			·		764,050
	and	abov	'e Č		•			166,410

30,000,000

Fer. Bull. Univ., 1927, p. 36
According to this series, those under twenty-five were 14,594,500
that the full moiety would be nearer twenty-six, if each number beq
accurate.

* Mr.	Bouchette	thus :	state	s the	ages	ther	
	Under 6				٠.		82,870
	6 to 14						74,429
	14 to 18		÷				26,935
		-	•		ALR	ı	,
	18 to 60	_					60,395 marrild,
	60 and up	word	•	•	•	•	9443 ditto.
	18 to 60		•	•	•	•	33,941 single.
	60 and up	-	•	•	•	•	1994 ditto.
	oo and up	- a. u	•		• • •		1991 GILOS.
				783	[ALE	٠.	
	18 to 45						52,864 married.
	45 and upv	ward					1860 ditto.
	18 to 45						39,518 single.
	45 and upv	ward					6682 ditto.

392,931

Bouchette's Brit. Down. N. Am., vol.

s feel that length of life beyond the middle period is made to be at present sought for there; but rather to mdered by those who may go to the Hudson or to the seaseh of other advantages from a settlement in these **16.**

neutrast between the two countries as to duration of al life thus appears: In America, nearly one third der ten. In England and Wales, the same proporne a year older t While about half were only sixthe States, with us they were twenty. I Nearly two here were under twenty-six, but the same quantity se between thirty and thirty-one. In America, one only were forty; one eighth forty-five; one twelfth and but one seventieth were seventy. I In our own one seventh were fifty; one fifth were forty-five; less a fourth were forty; and a thirty-fifth part were sev-

Thus we have twice as great a proportion of aged at seventy as the American republic possesses; only enth less than double the same proportion of the numifty; above one half as many more at forty-five; not forty; five years longer at twenty-six; and four years at aixteen Hence Englishmen live longer in England. seas ages, by the differences above expressed, than the into of the United States in their domestic localities. emigration to the American commonwealth from our and may be considered to carry with it a probable abbreof life. Not so to the Canadas. The duration of viwre resembles much that which takes place in Great I am inclined to think that the advantage depends

where, Lett VIII, p. 55-61.

²²¹ the males hving under ten in England and Wales were The one third would have been 1.717.017. The addition of ear gider would bring the numbers to this amount.

numbers were 2,590,030. The exact half would have been

males returned under thirty were 3,354,416. Two thirds ive been 3,434 034. mbien, p. 54-61.

se of fifty and upward were 720,646 (his seventh would have

as or mry and open were 2,945,075, adding to these one half of 1864, under ferty were 2,945,075, adding to these one half of tween ferty and fifty, we have for those who were ferty-five One fifth would be 1,920,210. Those of forty and above were ; one fourth was 1,295,102; at seventy were 140,522, which east thirty-fifth of 9,151,062. "New Rickim, Table, vol. 1, y. Ti. s makes in Seachette's table, reckoning them as half of these

more on the habits than on the territory—a moral rather in a physical effect.

On comparing the living world in some other states will our own and with each other, some of the results apper highly favourable to England, especially as it regards the longerity of existence. None equal our island in the proper time of very old people with one exception; that I will notice in the latest term.

In Saxony, up to the age of sixty, there was some aming between their duration of life and our own; but after that age the long-evity of England exceeded the Saxon with an assemble superiority as the years augmented. One fourth of the Saxon males were above forty; one seventh above fifty; and about one fourteenth and a half above sixty.* So far it was near the proportions of England; as here almost one fourth were above forty; one seventh above fifty; and one thirteenth and two thirds were above sixty.† But beyond this we find that in Saxony one fiftieth only were above seventy; not a three hundredth part were above eighty, and and a ten thousandth part above ninety.! Whereas of England;

under eighteen, whom he has not separated into sexes, and adding to this all those he has distinguished, amount to 198,800. Of these time of sixty and upward were nearly one seventeenth and a half; these is the United States of this age were not one twenty-fifth part in 1831.—30 before, p. 60-61.

* The male a	ges of	Saxony	in	1834,	of forty	and	UDW	ard, were—
40 to 5								78,225
50 to 6				_		_		63,345
60 to 7		•				•	•	38,008
70 to 8		•	٠	•	•	•	•	13,153
80 to 9		•	•	•	•	•	•	9956
Above 9		•	•	•	•	•	•	2200
		· ·	•:•	÷	D	٠ ۔	. a.	73
The whole me	HOW WE	ne //3,	***		Liceton	ı., 150	III. IX	6.
A TH TEOGRAMO	STOC A	STIGS TO	16	at me	TAIDE	mai	es of	forty and above
	_							
40 to 4								482,329
40 to 40 50 to 50	9 .	:	:	:	:		•	48 2,32 9 342,304
40 to 40 50 to 50 60 to 60		:	:	:	:	•	:	
40 to 40 50 to 50		:	:	:		•	:	342,904 231,509
40 to 40 50 to 50 60 to 60		:	: : :	:		:	•	849,904 931,509 115,088
40 to 40 80 to 50 60 to 60 70 to 70		:		:		· ·	•	342,904 231,509
40 to 46 80 to 56 60 to 60 70 to 76 80 to 86				•		•	•	842,904 931,509 115,088 99,567

Out of \$,132,032, the male population.—I Rickm., xxxvii.

\$ Saxon males, seventy and upward, 15,481, or about fifty and out
thirteenth; those of eighty were \$238, which is the 1-133d part of
778,344. Those of ninety and above only 72 out of this number, or 1 is
14.767 and one third.

sh makes, a thirty-fifth portion reached seventy: a hundred ad sixtieth part were eighty, and 1 in 2253 were ninety and sward. Thus there was twice as great a proportion in Engand at seventy as in Saxony; nearly the same at eighty, and have four times as many at the age of ninety.

On comparing France with England in this respect, we find. hat in the most precise enumeration of her males in 1830 who mea between twenty and sixty, England and Wales exceeded Proce by the difference between a one fifth and a one eighth. If as eight to five ; for our continental neighbour had little ness than one eighth of her males between these ages, t while England had the larger proportion of above one fifth.t

On contrasting the French population of 1826 with the English of 1821, we observe that the former had most males at farty and fifty, and likewise, though in a less proportion, at daty, and also at seventy. But England had a much greater mis of those who reached eighty, and, apparently, would have

Streamber of males between twenty and sixty form the National Guards
OFrance; and these are stated and distinguished in the following man-

_				UF TE	18 C	WITI	LY:		
Between	90	and	25					337,863	
	96	and	20					490,968	
		and		•		•	-	2,215,593	
	••		•	•	•	•	•	2,010,000	3,044,419
									SALES SEED
_				11	1 TO	WHS:	:		
Det Weets	30	and	25	•				107,031	
	25	and	20					155,539	
		and			·			701,571	
	•.		•	•	•	•	•	100,711	964,431
									202,231
									4.008.840

One eighth would have been 3,990,678.

Bull. Univ., 1830, Oct., p. 14. ! The males of England and Wales in 1821 between twenty and sixty were 2,173,966 out of a population of 10,530,631 in that year; one fifth these would have been 2,106,126.

, h-h-			-							
				FRANCE.	,			E)	RAJO	٨.
40	i abov	10		3 -10			mot :	مانحه	1-4	
50				1-6				٠.	1-7	
	•			1.12					1-13	
70	·			1-20				-	1-34	
Vol. III.	—Þ	•			•	•	•	•		

[•] In England and Wales, in May, 1921, those of eighty and above the 31,900, or 1 in 161; those of ninety, 2312, or 1 in 2255 and one third. These of one hundred were 60. These were but 1 in 55,967.
1 The population of France in 1830 was secretained to be 31,545,428.
Description of the secretain of the secretain of the 1,545,428.

eshibited a still lucror can at minste, if the l discriminated there.*

But if England this old centi quantity of her elder per proportion still more striking! States :! although it is a si transcending them so largely in th tion up to after ninety. America had the who attained the ultimate lenguvity. above 5,000,000 were living at the age of England in 1821; while the United Str 274 of that age out of a number not much have

Of all the countries that I have had the ing, the empire of China seems to be the most v old age; for although her hat consus made 362,447,183, yet the amount of those wi of eighty in such an immense population was loss t that is, not a two thousandth part ; nor did a thirty sandth part reach ninety years there, and only 1 in 17 lived to be a century old. The proportion of the

* France, at eighty, had 165,410 out of 30 millions, or about England and Walos had 31,000 out of 10 millions and a he **= 161**.

† Thus, in America, one third were und Thus, in America, one third were under two years or sixteen, two thirds under twenty-six; while in were under sixteen, one half twenty-six, an In America, one reventh only above fort

which in France were three tenths and one sixth. to twenty-fifth of sixty and above, and one or In France, one twelfth were sixty, and one thirtieth to The American eighty were I in 294: in France, I b

? The American ninety, in 1830, were 2367, or 1 in 5 were I in 225. 5 These men of one hundred in America were more think h

by the difference between I in 19,556 with them, and I in soil, or between four and five times as many; 274 out of &

Secred Hist. World, vol. ii., Let. XXI., p. 304. I In 1827, the Emperor Kang He, in the twent

reign, published an edict on the succour to be give ferior classes as were above seventy. For the

are not classed as were above eventy. For these of a an exemption from service, and some provision for the that they had a right, from their age, to be neurished! To each of those of eighty he ordered a piece of eith, of cotton, a shi, or ten beahels of rice, and ten him or Those of minety were to have twice this quantity, the service of their numbers. These of eighty a

fallows :—

enty differed in her several provinces, but their average o in nine of these was 1 in 818." England, therefore, far seconds this extraordinary country in the longevity of her abitants, † and, indeed, most others. But in the proportion

PROVINCE.			BIGHTY.	MINSTY.	ONE MUNDRED.
Kelai-la .			11.111	626	A STANTAGE
Line Toung		·	(a)	7	Ă
Clean-Mi			9013	250	×
Toung	•	•	26,067	1220	¥
He Nan	•	•	2651	451	· ·
Keeng Nan	•	•	34,029	1006	•
Rehe Keeng	•	•	21,000		
Chen-M	•	•		993	0
	•	•	11,54/2	317	0
Hou Kouang		•	26,514	2960	4
Keeng-Hi .			7190	840	0
Keunng Toung			9415	501	0
Krueng M			449	114	Ŏ
You Kien .			5232	269	ă
Nee Tekhouban			99	18	Ă
Fouci Tebeou	-		749	94	Ă
Yun Nan	:	:	2618	480	ŏ
			166,550	9006	=

Asiatic Journal, 1926, p. 261.

Asiatic Journal, 1926, p. 261.

Asiatic Journal, 1926, p. 261.

It seesbars, the whole amount of the septingeneriane cannot be preity stated.

The reterns thus specified the numbers of those who had attained say in the following nine provinces.

			SEVERTY	7		WNOLE
_		A	ID I.PWA	RD.		POPULATION.
Lieo Towng			244			949,003
Chan-Mi ,			41,991			14,004,210
Chan Toung			65.125			24,964,764
He Nan .			4134			23,037,171
Chen-Mi .			13,242			10,207,256
Hou Kousng			27,254			26,256,754
Konnng Toung	(Ċ:	inton)	17 200	÷		19,174,020
You Kinn .			10,213		·	14,777,410
Ses Tebbouhan		÷	176	:	:	21,426,678

he first of these sums is nearly the hight part of the other.

I find strongly the windom of the Chinese government in giving this is liberality to the extreme sections of old age. Whenver attains by gives a strong general evidence that there has been something so I in mind, temper, habits, or moral qualities during his preceding which has assessed his constitutional assures to last to that longevity; all, whatever he their habits, used so much sensitance at that period fs, that I wish a legislative provision ordered every periods to give an early allowance to all octogenerians. It would be benevious to Wend mental to soulty.

of the greatest extent of vital durability on earth, Russia. whose mortality is so much more active in the first part of her individual life, seems to surpass any other nation that I have read of. In 1824, in the bishopric of Woronesk, out of 38,060 deaths, 56 reached one hundred years, and 28 were one hundred and twenty-five; * and in the census of 1837 there were stated to be 947 above one hundred, and of these 202 were one hundred and ten, and one was one hundred and thirty-five. †

Yet if the account of the Austrian mortalities be accurately taken, the number of her population who fulfil their century must rival that of Russia; for, with less than half the population, she had in 1834 more than half as many as the northern

empire at that period of life.1

This extreme longevity is confined to no country or clime. It was found, in 1834, in Asia Minor among the daughters of Judea. o It appears in the Indian region of Cabul. Even gipsy life, with all its wanderings, exposures, and hardships, does not prevent the attainment of it; I nor have the still greater vicissitudes and fatigues of military life precluded the possibility of it.** So Holland, though not the healthies

* Hertha, 1825. Dr. Pinkerton mentions that he saw a female in a Kosach village on the Don who was in her one hundred and twenty. vear.-Pink. Russia.

The greater ages were thus stated. Among the 947, . 125 202 . . above . . 110 21 . above 115 and 1 Lit. Gaz., 8th Jan., 1830. 120

^{‡ "}In the Austrian dominions there died last year 450 persons short one hundred years of age."—Morn. Herald and Standard, 4th Feb., 1894. 6 " During my sojourn at Jaffa, a Surdinian vessel arrived having a board twenty Jewesses from Smyrna, one of whom bore lightly the weight of one hundred and twenty years. Several counted a century existence. They were going to purchase, at a high price, a place in the Valley of Jehosaphat."—Corresp. d'Orient., tom. 5.

|| "Among the Nawab's friends we met a man one hundred and feet teen years old, who had served under Nadir Shah. He had been upwart of eighty years in Cabool, and seen the Doorance dynasty founded and

Barnes's Trav. in Bokhara, vol. i., p. 162.

"" Died last week, in Loughton-lane, near Gainsborough, in her hundred and second year, Merriley Buckley, well known throughout of the midland counties as the MOTHER of a tribe of GIPSIES who have by years perambulated that district. Her funeral took place in Gainsber-ough churchyard on Sunday last."—Doncaster Gazette, July, 1834.

** " Died at Murano, near Venice, aged one hundred and sevent years, J. Chioseick. He was born 20th Dec., 1702, and died 204 Mer. country in Europe, can present an occasional instance of a length of life, rarely paralleled in our days, among the weather-beaten citizens of her navv.

Ireland, with all the eccentricities and imprudences of at least some of her children, can maintain a competition with any other nation in this vivacious blessing; t and even a succession of such ultra long-livers. I

But in another instance, the age stated is so uncommonly great, that, without a careful examination and strong evidence. direct or collateral, it cannot be taken as an authenticated fact. I therefore merely mention it as it appears in the public newspapers, that those who have connexions in Cork, and are interested by such a circumstance, may inquire into the woof of its reality.6

1930; he entered the Austrian army in 1710, at the ago of eight, as a fifer, and had served till 1797, for eighty-five years effectively, and after that mong the Invalids for twenty-three years, having thus been a soldier for eaundred and ten years. He had served both on sea and land. His numerous campiagus never shook his constitution. He shways preserved he gayety. Avoiding violent passion, he lived in great simplicity of manners, and with a remarkable chastity. His father had reached one bandred and five, and his paternal uncle one hundred and seven."- Bull.

Univ., 1831. p. 127.

"There is now living at Dort a sailor named Conrad Vancouver, who a the 20th of last month reached the age of one hundred and thirty-five lears. This is the oldest man in existence in Europe."- Dutch periodi-

oil quoted in Standard, 22d Sept., 1834.

† Died at Coolearney, on Wednesday last, hear Ballina, Walter T "Died at Cookerney, on Wednesday last, hear is aline, water hape, aged one hundred and fifteen years. He was born in the reign of George L, in the townland of Carrowreagh, where he ended his exist-acc. His health and memory were remarkably good." Ballonia Imparbal, June, 1834. Another of one hundred and fourteen is mentioned in the Gent. Mag., Feb., 1830.

t "Mr. Luke Gibson, of Temple Patrick, states that he has discovered in the township of Bullynaman, within one mile of Glasslough, Cicely Camey, better known by the name of Cicely Battle. She is one hundred and thirty years of age. Her youngest daughter is eighty. She never took a doctor's drug in all her life, nor was bled. She is perfectly free

som a goctor's critig in an ner tire, nor was need. Sane is perfectly free from affections in her chest. During the last century of her life she has been a stranger to pain. Her pulse does not exceed seventy.

"Her grandfather died at the age of one hundred and twenty-nine. Her father, John Cooney, was bred in the town of Bouegal, and followed the army of James to Mayo, where he died, in the one hundred and twenty-nine. teth year of his age."-Scotch Newspaper, quoted in Standard, 8th Jan.,

5 "On 25th December last (1834), Donis M'Kinley, of Sheans, near Bellycastle, departed this life, aged one numbers and seventy-neven YRARS. He never had a day's archness, could read the smallest print without spectacles, usually rose at three o'clock in the morning, and west to bed with the family. He died on the same day of the month

We find longevity also in South Africa, so that neither climate, nor the rude state of poverty that may accompany its locality, prevents its occurrence.* It is natural that North America should not be without her share of this vital advantage when others exhibit it; and such statements as are analogous to human experience elsewhere may, in justice to the general prevalence of social veracity, be admitted . But as some of her citizens are more fond of the marvellous than of the accurate. I she must not be offended if more precise evidence is required for her extraordinary narratives. 6

These unusual individuals appear also in France, where one three years ago had reached one hundred and twenty. Scotland has her examples likewise: I and the more we

and the same month on which he was born. He was temperate in liv-ing."—Cork Constitution, cited in Morning Herald, 21st Feb., 1835.

As this age exceeds almost all others, it is desirable to have more satisfactory evidence about it. But as improbability is no actual disproof, and the subject is curious, it is worth an inquiry to those who may have

and the subject is curious, it is worth an inquiry to those who may have the opportunity.

* Captain Owen remarks of the Island of Abdul Koory, near Locotra,

"The natives were miscrably poor. One old native came on board; he said he was one hundred years of age, and remembered some events that had occurred eighty years back."—Owen's Voyage, vol. i., p. 351.

† "On 2d Feb., 1834, in Wake County, North Carolina, aged about ninety, Mr. Jesse Wale, son of Mr. Arthur Wale, who is Living at the advanced age of one hundred and fifteen. The som was in the revolution with his father. His death was caused by a fall."—Durham Advertiser, April, 1834. The "Gentleman's Magazine" for 1767 mentioned Francis Angre as then dying in Maryland at the age of one hundred and theiry four. Ange as then dying in Maryland at the age of one hundred and thirty-four.

Ange as then dying in maryiana at the age of one market and unity.

If Mr. Turner means to say that a larger proportion of American citizens than of the people in other countries are "more fond of the marketous than of the accurate," he utters a wilful slander.—Am. Ed.

I allude to this paragraph in the "Gentleman's Magazine," which, of course, has been taken from American authority: "22d February, 18%, died at New-York Joice Heth, aged one hundred and sixty-two. She has the state of the paragraph in the Course of Course stated to have been the nurse of General Washington."-Gent. Mat-

1836, p. 446.a || "Lately died, aged one hundred and twenty, M. Dando, the oldest inhabitant of the department of Gers, which is remarkable for longevity, having finished his long career without having suffered from infirmity.

Gent. Mag., 1834, p. 199.

If "There is residing at Joppa, near Edinburgh, an out-pensioner of Chelsea Hospital, named John Wright. He was born 4th M and in a month will be one hundred and seven. He saw Prin

a The case of Joice Heth is now admitted, we believe, to be an im-should the American people be stigmatized as lacking in veracity bee falsablood? It is but a few years since an imposition almost precisely off in England; the individual was a Chelesa pensioner named Wallac fight. The sage pretended for him was about one bundred and ten. For the original control of the control o

round, facts appear, which lead us to the conclusion difference of soil, climate, circumstances, or habits the actual occurrence, not merely of extraordinary, unfortable longevity in some individuals in every retare they always will be, but occasionally they appear part of our globe; though we do not find that any sarks it with a distinction of public honour but the who, though inferior to civilized Europe in most et, at times, display a moral wisdom which deserves lation. One of the greatest tests of this in a cound sound moral feeling in an individual, is a personal old age. It operates downward, through all our soly to our very cradle period, with a beneficial influence ry family will be the better for.

alubrity of England, either from its climate, its manits intellectual cultivation, to the more advanced pesocial life, is indicated by the fact, that in 1934 it culated that there were then seventy peers in the f Lorda who were between seventy and eighty years or a aixth part of the 425 of whom the house, inclubiahops, consists. Eleven of these were noticed as

togenarians, or still older.

a ascribing the longevity of England, and therefore sople, to manners or conduct, I feel myself to be ara my opinion by a circumstance that I have just roin Plutarch, in his treatise on the opinions of the phia of his own and the anterior times; for I learn there a our ascrient Britons, in all their painted mudity and when herce manners, and barbaric habits, and all the

ud in 1745, and was beside General Wolfe when he fell on the Gascher. He served in the army thirty-nine years and a half, fischarged at eighty one, in January, 1810. He is fresh and and retains at his faculties entire. At quarter-day he walks, a to the Excise Office at Edinburgh, a distance of four miles, or the same day." Edin. Weekly Journal, Feb., 1835. intidiff mentions. "In one of the houses we saw stuck up a yell-given by the emperer in token of his great respect towards as who had lived one hundred years."—(sits. Voyaga, p. 850.

e eletri:	ports	Well	,	illa Le	presentes:-		
Vade bee				93 1	Lord Mr. Helena .		81
ynederh				94	Karl Fortences .		61
lowell				143	Karl Ranfurly .		MO
ldon				H3	Karl Powie	•	10
corndale	-			63 I	Lord Middletop .		-
				اسد	•		

evils of uncivilization, or what was nearly such aracteristics of their population, yet had the reliving to 120 years. He quotes the Greek physic remarked this circumstance, and contrasts the Ethiopians, who became old at thirty. The Gr the British longevity to their colder climate, and it not possible to attribute it to any civilized im From the manner in which it is mentioned, it shave been an accidental circumstance, but sufficient to have drawn the notice of foreign observers at the ment of our Christian era.*

LETTER XX.

The Natural Division of Population into moieties of Yin England.—The settled Preponderance and Power of Effect of this established Arrangement.—Their respection each other.

MY DEAR SON.

From the facts and laws we have been recapite that state and fabric of our social world in which wine plan that mankind shall generally appear and constitution of society, in our British community, to you a sufficient notion of what it is in the civil of the world, though each country, amid a common in the great outlines, has its own specific variation

That one half, or nearly so, of our male populat tinuously under twenty years of age is an ordinatithe government of human life is permanently steadily kept in the hands and under the control moiety.† In other countries the same division h

^{* &}quot;Asclepiades reports that the Ethiopians become so is, by the time they are thirty years old; because their bod and burnt by the sun. But in Britain, men live on to 120 y their country is cold, and their natural heat is kept by this it while the Ethiopian bodies are more open, from their py leaxed by the sun's action. Those in the arctic climes are and on this account they attain to greater longevity."—P apers, or Plac. Phil., 1. 5, c. 30, p. 343. Ed. Ven., 1509.

through with some differences as to the exact year and. This established law, which is universal in its generations, has been made by our Creator the ground-f his system of human seciety, apparently for the exactpose that the mature part of his human creatures a the rulers of the rest. To secure and perpetuate set, it was necessary that his laws of birth and death to so arranged and conducted that there should always should not be in this along proportion to the younger. Such a result could produced by a careful adjustment of these two elements appliation, with an express view to this effect. Though all life is always shifting and fleeting, yet this consesse abidingly sustained.

as further we used the stability and wheat conduct of and, for that purpose, the governing power and influit of the mature and experienced portion of it, by also an island, the males from thirty to sixty, when an frame is in its most effective state of body and the none numerous than those from lifteen to thirty; if the younger should be induced to use in mairrention their elder rulers, and struggle for the dominion, they the physical power to accomplish their purpose. This in thirty to easty would always have the victory against all young men between filteen and thirty, beades the y would receive from the effective part of those who made or passed their statistic year?

elder are also the most steadily laborious and sequiring of moviety, and keep red one what they gain with rederie and economy than the younger. Hence the red noviety is also chiefly with them, especially its estates, and from their superior mental ability, and fige, and practice of life, almost all the superior offices turns of authority, rank, business, influence, and in activities of life, are likewise with that portion who as laid and exceeded their thirtleth year. The insless

or population of 1921, of the 5,192,092 males, 1,205,309 were belange and therry, and 1,419,195 between thirty and exty. Michia.

^{1,} vol. 1, p. a.a.vii on were 2/4,441. a franth of the number between thirty and mild have been 204,229. All those from thirty appeared to the fe ways 1,760,020,—ib.

from thirty to sixty are a full third part of the whole male p ulation.

To moralize, consolidate, and improve our social we still more, the yet older classes, who, from their age, are m experienced and usually wiser, or at least with more pract and with the most calm, sedate, and peace-loving temp and habits-those of sixty and above are in number ab one fourth of the mature. These intellectually influence modify the mature and middle-aged population, while t assist them to govern the rest. Thus human life. in country, and analogously so everywhere else, is regulated the mind and will, at all times, of the elder and aged m bers of the community. Their preponderance and nower so decided, that no contest ever takes place about it. ever was disputed in any country, the point has long s been settled; and, by some instances of ancient times. find that the young, who disliked their subordination to t superiors in years, had no resource but to emigrate from the and to found new settlements for themselves in other k ities.*

* Though it will be always proper for the young, amid their st ous efforts to elevate or benefit themselves, to keep steadily in view principle so shortly, but emphatically expressed by Shakspeare—

> "I dare do all that may become a man; Who dares do more is none;"

yet it will be always true, that they must derive their worldly com and mental improvements from their own spontaneous and well-dir activities. They must resist the temptations to self-indulgent ret ness. But on this point I cannot quote a more impressive authorit a more persunsive recommendation, than the sentiments of Sir Er Peel, in that address to the students of Glasgow which so admit combines the characters of the statesman, the philosopher, and Christian, and which has come to my hand as about to send these ps to the press.

"Let me assure you, with all the earnestness of the deepest cotion, founded on the opportunities of observation which public life intercourse with the world have afforded, that your success, your nence, your happiness, are much more independent of the accident caprices of fortune, and infinitely more within your own control, than appear to be to superficial observers. There lies before you a boun field of exertion. Whatever be your pursuit, whatever be the profe which you may choose, the avenues of fame are open to you, or at are obstructed by no barriers of which you may not command the l

"I have said that the avenues to distinction are free, and that within your power to command an entrance to them. I repeat, wit earnestness of the deepest conviction, there is in my mind a presump amounting almost to certainty, that it any one of you will destron

s plan and arrangement of the second street and ston and tomal in the entire me was in the mattered in use since on the comment I ST The SET BEFORE THE PARTY OF THE PARTY. difference in the contract of gradical in a maritime . DEC. Within the security our security of the را بدا الصاديميات بدايد التواد معود الراد د الوالد والمستور المدينية والقا بومود والكافية Bar Carrier and the trade of the second of the Office and their real is a second there is a legislar ear province in the province CARR Agree and had a more our consumer in The of these with visit to be read for any and any address Milet in the part of the second second CONTINUES of the second of the color of A RECT & Made on the fact of the control of the con-ي الرابع المستند الذا المستندي والمناطب المال المستند المالية THE P. LETT SHIPPERS OF MARKET EXPRESSION OF 7000

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the civil peace, and order, and the moral strength of society, and keeps its constituent elements compact and its course consistent, yet the young are never without that portion of influence which benefits their elder lords and makes all more happy. For such is the marvellous and mysterious constitution of human nature, that while the juvenile body respect and rather fear their seniors, the mature and aged feel synathies of affection and regard for the younger, and especially in their filial relationship, which soften authority into a desire to caress and sooth rather than to sternly govern. In retus, also, for the subjection and obedience of the junior ages, it has been made a law of nature, and thence a universal law of society, that the elder shall maintain the younger, and teach them how to acquire the goods of life for themselves as they

advance into its maturer periods.

Thus admirably and happily has our social economy been planned and is upheld by its Divine inventor. The voung obey and revere the elder, and these love and nourish the younger. The latter have been also so devised and framed as to be always giving pleasure by the natural beauty and interestingness of their countenance, limbs, form, and motions. They are, when properly nurtured and not wrongly behaved to, perpetual pictures of living happiness, playing, smiling, laughing, bustling, and chatting around us; and by their filial origin they are so intermingled in every family, that we cannot look anywhere without seeing them. The quantity of pleasing sensations and emotions which they cause to the elder part of mankind in daily life is incalculable. Feeble 20 they seem and powerless as they are, they constitute no small proportion of the existing happiness of life. What we need on this point is not merely occasional enjoyment, but ever-springing fountains of pleasurable consciousness. We have to be happy day after day, and every day, and the children and youth of every community are no small part of the needed sources of comfort to us. They increase the gratification from their appearance, and easy society, and moving sportiveness, and by the numerous little services of various kinds which they render to others, as domestic occasions require. They are always furnishing employment for the mother, which, being for their benefit, is more interesting to her than any other substituted labour would be; and they are the chief masters and causes of their father's useful activities. Without them be would an indocent being; but they give him, as they arise, and object for his thoughts and industries as long as

a respect they are of vast importance to society. The y imposed by the plan of Providence on the parent to them. causes them to be unconscious educators and rs of him, imperceptibly even to himself. They guide, se, and channel, and moralize his activities, and insenmorel him to exert these for the good of society in his hich he cannot escape, of providing for them until a efficiently operate for themselves. Thus they train adv the father as much as he regulates and governe They make him a more active, and prudent, and skiltrustworthy member of his social world; and again him for his care of them, by giving him, in themselves, ends and assistants as he will nowhere else meet with. rill ever find abroad the disinterested love, the zealous m attracting feeling, the active friendship for him, and ire to promote his comfort, which he can obtain, and ways keep alive and fervent in his filial circle. ral magic, this intellectual enchantment—all natural. mrt artificial-all the emanation of our Creator's deid formation of both our soul and body, which makes o delightful to every one in all ranks of life. We know are are beings there who take a kindly interest in us; no forms, or doubts, or interest divide from us; whose coincides with our own, and with whom we can rete happiness, confidence, and regard. No competing ts array its members against each other. All are fully to each other and mutually appreciated. s arise from the appointed law, that all the young shall irally related to the old, and these to the young. pear without this affinity; for they come into existence the sweetest and dearest relationship of life. are, in a domesticated family, an affection, a feeling, a hy, a safety, a confidence, and attachment arising from ationship and its gradual consequences, which resemble g else, and for which there cannot be an adequate sub-All else that pleases us is of a different nature, and per results. If these effects be not universally expei, the fault lies not in the system of the Creator; that ect; and it lies only with ourselves to give it, univer-III.—Q

sally, its individual application. None, then, would be without a personal experience and enjoyment of its blessings.

But the young do not merely please and assist; they are also great benefactors to society, in the very qualities and passions which, without the predominance and unrelaxing government of the elder, would be always shaking it into for ments and confusion. Though not so numerous as ever to get the command of the social world, they are enough to act powerfully and usefully upon it; they are continually exciting enlivening, and agitating it. They diffuse an ever-renewing spirit through it, which, though not strong enough to injure or overpower it, yet is always animating it, and preventing starnation, and that indolence and apathy which the continued possession of enjoyment, authority, and property usually preduces. It is from the younger that our social changes, metivities, and improvements chiefly arise. The fact that, by the plan of Heaven for our world and for our welfare, they are all born destitute of all things, except their bodily frame. and its inspiring and directing soul; and that they shall have to acquire, and must, by their own exertions, obtain their wanted portion of the goods of life, as soon as they become capable of the operation, puts them into the situation of compulsory activity. The young who were in this condition, that is, between fifteen and twenty, were, in 1821, a tenth part of the males, and with those from twenty to thirty, who are she mostly unprovided, and in the act of striving for their own support and establishment, were one fourth of all their sex. These are continually devising and pursuing new schemes, starting new adventures, inventing new means, and urging the aged to new enterprises and objects, which the contented elder would never think of, or willingly take the risk of, or trouble themselves about. But the young cannot, for their own sake, be indolent or satisfied, until they are provided at with what they desire. Hence the two antagonist principles of motion and rest are ever usefully striving against each other; and the result is, that alternate sway and constant influence of both—that excitation and repression; that gov-· erned activity and modified repose, by which society is kept in healthful stability and vigour, with progressive advantage.

It is the established system of our natural births, and that arranged succession of them, one after another, in such linked and unfailing order and continuity, that no gap or descinant

lik ^tage or close is over visible in any of title of homes life as to youth a d agu undar which we ere appeared in every perio der er bred it. The se sope petently and skilfally acen potently and skilfully governed by their op-respectanting impulsions, then the competing a nciously adjusted, and are so di n life have been one as to occur with that fitting efficury in which we find to be perpetually arriving. But, in either case, though we the laws of the motivities, and the phenomena who been instituted to occasion, we perceive not the invisible y, nor do we know the specific process by which the ofa possite are so certainly and uncomingly produced, and harmonizing officioncy is so exactly statemed. The com-& parts of human society are like the particles of a y river, always distinct and mosporable, and ever seversee each other, yet constantly flowing on in streams cog and incessant; losing themselves by a thousand chann the great ocean of futurity, but never lessening either sir masses, their movements, or m their mistive and at continuity. What striking manifestations of plan overnment, extrinsic to themselves!

this arrangement you choserve that strength, agility, and r are principally given to the yorng, and thought and ledge to the elder; and it is by the ages between twenty hirty-five that the largest part of human labour, and the which require most activity and exertion, are carried Without a class of such beings as the first divisions of is supply, human nature would be stationary, and convoly unproductive and unimproving. It is at this age he love of personal distinction, the desire of fame, the to excel, the passion to be forward, ambition, appetites, agerness for novelty and employment most keenly stimu-

Hence it is, that from youth the progressive principle siety has been assigned to originate, and has been and is issuing and operating; while the later periods of life are elled, by the energy that assails them, to exert and apply superior judgment and experience to moderate the mofauces of their vivacious offspring, and to turn them into nacful channels. Thus society is equally benefited and continually improved by the guardian character of the one portion of its population, and by the spirit and impetuosities of the other; and thus its various classes are made, by the planned and secret mechanism of our social economy, to be the continual instruments of practical good to each other, from the very circumstances of their arrangement and position, however unintended or unperceived by themselves such a comequence may be.

> "There's a Divinity that shapes our ends, Rough-how them how we will."*

It has been an interesting part of the Divine system of the living world that there should be so many children in it. There peculiarly embellish it. They may even compete with the female world for the beauty and pleasantness which they add to it. If we were to compare society, in its diversified forms, to the varieties of the vegetable kingdom, though we might rank youth as the nutritious and succulent plants, mature his as the fruit-bearing trees, and age as the venerable forest, we should still more justly deem children to be the flowers of social life. Too young to be useful, yet always pleasing, at-

* I cannot close this letter without citing another passage from ## Robert Peel's exhortation, because it so eloquently describes the mess and qualities to which youth will always owe its most certain success.

"It is incumbent on you to acquire those qualities which shall fit you

for action rather than speculation. It is not, therefore, by more start by the mere accumulation of knowledge, that you can hope for emissi Mental discipline, the exercise of the faculties of the mind, the quicks ing of your apprehension, the strengthening of your memory, the forming of a sound, rapid, and discriminating judgment, are of even more

portance than the store of learning.

"If you will consider these faculties as the most precious gifts of nature, and be persuaded that they are capable of constant progressive, and, therefore, almost of indefinite improvement; that, by acts simil to those by which great feats of bodily dexterity are performed, a cap city for the nobler feats of the mind may be acquired, the first object of your youth will be to establish that control over your own mind and habits which will ensure the proper cultivation of this precious inherisance. Try, even for a short period, the experiment of exercising such control. Practise the economy of time. Consider time, like the faculties of your mind, a precious estate; and that every moment of it, well applied, is put out to an exorbitant interest.

"When you have lived fifty years, you will have seen many instances."

In which the man who finds time for everything—for punctuality in all the relations of life; for the pleasures of society; for the cultivation of literature; for every rational amassement—is he who is no most sending.

in the active pursuits of his profession."

ethn, ist fatendag, ekseer sigist, ook keste eenst it, tegit ; they feen ther feets of a seer of ear image old ; jat feen the op of justs to feetseen feet on seets it of it; and on hilly or view, or a Aponia, test jak to an eenst films, your of op.

They are dividite into four circums: particles, each approximating but with different qualities and attendance the total region; its parent, and sequence are account to the feels upon its parent, and sequence are account to its fifth year; the general circle, inquising as and as a felicie yearth, and with many of we qualities, atom tree at 1; and that yearth, with all me sequenting assume, state, depicted to the yearth with all me sequenting assume, state, depicted to the developing manuse of the feature man. Each of space in the proportion to the others: states made that, and the proportion to the others: states made that, and the feels, and the state that, and the feels.

They have been questify designed to be an three guidanig and succeeding forms: and they all present to us so uly different medifications of immen nature; so many desurt species of human beings; for although it is the same livideal that grows up and passes from the use age and state in the other, yet, while they are in each period, they are finet from all human beings, with distanct qualities; each in a hearty and interestingness popular to itself, always interiord and complete, though every year differing from

But they must have been specially devised to be what they been and as executed system and use of means must have been simed and executed to make them such. For that these i children at all, and such a train of different forms and us af our growth, and upon those having been specifically used our growth, and upon those having been specifically assumed and actiled to be what they are. For it would have any as easy to make a belie to enlarge into the perfect huma being in one year as in fifteen or twenty. But the almsted enlargement, which is so interesting, has been present, in order to produce the pleasing effects which result us it. Many animals soon become complete; but the bu-

^{*} Math. cases under five were, in 1881, 1,484,288; these deen five to to, 1,274,265; these from sine to depresen, 1,272,570; , out of the whole publishes of England and Wales at that time, of 10,480,671.

man being is delayed in its development, that we may have the charming ages of children; and what should be a continuation of further admiration is, that in all these changes of form and age the human being is always a perfect figure.

LETTER XXI.

Metch of the Plan on which the Funale World appears to have been arranged, qualified and stationed.—The Effect of it on Human Bosiety.

MY DEAR SON.

Our view of the Divine economy of human life will not be so complete as experience enables us to infer it, unless we consider the state of the female portion of human nature is the general course and order of society. It is so distinct is many points from that of the male division, and is so differently directed, that it deserves a separate examination.

The first great fact which it presents to us is, that daily affe shows it to have been designed that the chief and castal fountain of family happiness should be everywhere as MOTHER. From her, the blessing flows to her wedded associate and to her children, to both of whom she is, and he been meant to be, the kindest friend and daily benefictrees; ever doing something serviceable to them, desirous and seeking always to benefit them, and in her very presence a constant object of gentle pleasure to them. It was manifestly devised and settled by the Creator, in his formation of female nature, that this should be the effect; and most successfully and universally has his plan been executed.

By the parental system which he has put into continual operation, the mother is always so circumstanced with her ofspring that they cannot see her without interest and sympathy,
from the constitution of their nature, and from the first portion
of their life on earth. Their wants and their gratifications,
their good and evil of all sorts, connect them perpetually with
her. She is the cause, the maker, the provider, and the distributer of their daily comforts; they perceive, with rapidity,

that she is their refere and preserver, and make the reasonable search as she is pleasing to them, without her was an appearant as she is pleasing to them without her was an appearant person soon their newly-wised each, and other newly-wised each, and other newly-wised each, and the remarks a manual appearant from it. She introduces them to the remarks a second of the present than to be parts themselves of its maintain, we are all exhausting. Providence under whose grantleship we are all exhausting. Thus the famile would it, at all times, united with the new grantleshes which mise and carry on the stream and gragues of homes nature by the most influential sympation and course that can intense human beings with each other. The mether has the folicity of being to them a perpetual blewing, and, by feetuning and moving them, of being a daily and hously producer of good, and a giver of happiness. No mother have in vain; no mother need over say, "I have lost a day." Emponen and men may, and too other do, pass many unders, and sings very mischiorous days, weeks, and even your; the mother never, unless she counteracts the very principles of her own being, and becomes wilfully unnatural and uncernal; and what is that but being half manneal, whenever my are so!

What the mother is in her maternal life, the rest of the female world are likewise, in no small degree, as her allies or substitutes, although they may not be parents; for as soon as the daughters become capable of intentional and imitating activity, they join her in all her kindnesses and duties; they share in all her labours, and assist in promoting the benefits

which she originates and is communicating.

The mother and her daughters become thus, in every family, the fountains and makers of its daily conveniences and comforts. They must be most unfortunately fractious and pervarse if this be not the habitual consequence of their lives. The effects may not be noticed by those who profit from them as proceeding from these living causes, but they must be always thus issuing, for they have no other source. If, then, the female members of society only keep themselves from being clouded or disturbed by wrong feelings or rude habits, they cannot be immates of any home without these results naturally and regularly flowing from their daily life, and social position, and constitutional formation. A higher power

then their own has so framed them, and by their fran develops, gradually leads them to these utilities.

If the mother have good sense, good intentions knowledge of what she has to do, and the usual state or which, by the make and system of her being, has b vided to accrue to her; if she preserve the suavity, a and gentle manner which have been made, by all these to be natural to her sex, she will, unaffectedly and indiffuse around her emanations of these qualities. raise in others the placid feelings which are actuating She will look, and speak, and spread the moral beautie bud, and bloom, and expand within her impercep herself. What is assumed never, or but shortly, in The charm lies in the natural reality; the artificial we dissatisfies, and cannot be lasting or uniform. ceived to be the mask, and not the genuine soul or f the detection always prevents the confidence and regar true benignity creates. Truth has in all things an attraction, which no counterfeit can retain.

But so admirably is the fabric of human life cons and are all its component parts arranged and qualified the wife or mother be the true growth of nature, we cultivation which her intellectual improvement in a societies now occasions, she will be the daily benefacther family; all her household will find a general about them, originating from her intentions and superence. Neatness, quiet, harmony, order, and prude regulation, both in mind and in manners, will, from ample, be the character of that home, of which she we be the model, the attraction, and the presiding queen.

This is what, in the plan and purpose of Providem have been designed to be, and what every wife and may be. It is but just to add, that it is only a descri what the female world of Europe and America most grare; and what those of Asia and Africa would be their paganism or Mohammedanism were to be exchan Christianity. This religion is the true patron, friend, fand exalter of women of all classes; their best quali peculiarly congenial with its Divine precepts, and a themselves most efficaciously under its supporting pro

But it will always rest with themselves to be of this acter and conduct, and to have this moral enchantment

bout them. It may be lost or it may be retained; the may be buried in the earth; the diamond may lie oband incrested in the mine. But the laws of nature a Divine economy of human life provide the capacity, ann, and the agencies for all these admirable results; sees the spontaneous will and stoady perseverance of lividual mind must co-operate in order to produce the seand blessings which they are intended to occasion.

seever the female world exhibits these features, it

stever the lemale world exhibits these features, it s the beauty of the system under whose agency it srises. in we doubt that this character will become more prev-

The natural desire of both sexes to be what is d most excellent while they live, in order to be preferred mlauded, will increase its universality as the improveof society elevate and refine its moral and intellectual rds. Good taste, right feeling, and sound judgment become more common; and, as they spread, what they ralue and sock for will multiply with the demand for it, a more enhanced as it is more appreciated. We are fond of happiness not to encourage every mode of proit that becomes perceptible and practicable. Hence has of the female amiabilities cannot but rise as their te are more discerned and felt. Thus, the more they actised, the higher will be the estimation of them; and pro they are esteemed and wished for, the more common nil become.

see there can be no doubt that family happiness will be sought and enjoyed as the improvements of human increase; and this is meant to be one of those imments. It can, however, only arise from the maternal innubial virtues and qualities of the female world; and see are more cultivated, possessed, and practised, the certain and the more universal will be the domestic its which they create. Nothing else can yield such to ind, because nothing else can cause that quantity of hapand benefit which they originate. Hence the imporrant, value, and improvements of the female portion and mature will advance in every state, with its moral, was, and intellectual progression.

are seems to me to be no reason to doubt that, from susses which we can discorn to be now in operation, and will become happier in every succeeding generation.

and that it is the plan of Providence that it shou A new moral spirit seems to be imparted to human promote this effect; but the great streams of hum ness must always come from the domestic sou therefore mainly from the female world. To this must participate in the improvements which take place are visibly advancing in a fair proportion of these; thereby be always on a level with their age, and, fr king in the general progress, will continue to be the fluential instruments in realizing whatever further be of earthly felicity it may be the design of the Crea stow on his human race. Transgression having be troducer of evil, the moral improvement of the worl expected to be attended with an augmentation of i happiness. Hence there is no just ground to sup society is doomed to be more wretched, if its no should continue to multiply.

The relative position in which the female sex are by the natural laws of life and death, contributes a

their influence on society.

On surveying the table of the living population in and Wales in 1821, we perceive that, of the ages birth to fourteen years old, there were more boys t existing in society;* but from the age of fourtee longest period of human life, there were most femalet the English world.† This is a remarkable circumstreause it falls in the most important seasons of life; larger quantity of women is the greatest in the mature:

* The males then in England under the age of fourteen were the females 2,086,512; making a difference of 62,393 more mal from fourteen, the greater number of females living in Ea Wales in 1631 were, at the successive periods—

The	•				
From 15 to 19		•	•		25,983
20 to 2					145,558
20 to 20		•	•	•	
					55.845
40 to 44					18,648
50 to 50					9956
60 to 60					17,675
70 to 79					9616
80 to 89				-	6728
90 to 90					1027
100 and		-	·	•	60
	-P	•	•	•	-

reflyt parties of human life; I mean the period between any half flaty. In this interval they exceeded the makes "shelled 180,000." This occurs in the time of their life lef libel five mothers, and when all are performing important lifes of kindness, care, and duty in society. Men, endaged by their civil and political employments and pursuits, at but little in the private education, the daily management light moral and religious cultivation of their household. This is usually performed by females; and we find they made to be more numerous at the period when they are it wanted for human benefit and improvement.

it wanted for human benefit and improvement. This does not take place accidentally; but is really pas-

This does not take place sectionally; but it reap pasid for in nature, and prepared for by the fact that fewer feis die between their birth and the age of fourteen then of
males. The difference is so great in the distribution of the
talkty of this season of beginning life, that shove 122,000
in males then die than females; † that is, 123,000 fewer
ales die, and, by that means, 122,000 more young weans
iv up to be the useful members and helpustes of seciety,
a suffered to operate on them when girls as actively as
r do on the other sex when boys.

That this difference, at this part of life, is the result of Divine meanent and not of accident, seems to me to be indicated the sequent fact, that in the next period of existence, bean fifteen and forty-five, the proportion changes, and most also die.! When we recollect that this is the section of r life in which they add to the world the new race that is accord them, we see the cause of its greater mortality to n; but yet even this is so governed, that although moses hem die than males during these thirty years, yet still they

Haking more unios

The number of deaths between fearteen and firsty day transferances

Foundame
Halon

400/6

More females buried 4

enceed their more rebust and less endangered companions by the larger living numbers to which I have already alluded.

Again, the care and benefiting wisdom by which the laws of death are administered appear to us in the subsequent application of them. In the twenty years from forty-five to sixtyfive. more males were taken off :* from sixty-five to seventy the proportions a little alternate between those who die of each sex : t but from seventy to one hundred and seventeen. when the female world have discharged all their maternal and worldly doties, and have become less necessary to society, and are then rather its venerable ornaments than its helpers. the largest proportion of deaths falls continuously on them. Yet here again, so modified is the removing operation, that, although they die most numerously, they are still the largest number of the living, and even to the last extremity of human existence; for there were above 1000 more females than males at the age of ninety, of and 69 more at that of one hundred. I They even had the triumph of the most protracted longevity in the catalogue of the eighteen years' deaths; for the longest liver who is recorded to have died in that time

*	Malos						10	4.	316,977 301,495
	Females	•	•	•	- 31		-		301,495

More males

15,482

At sixty-six and sixty-seven were, males, 39,512; females, 39,555; being 343 more females; but at sixty-sight and sixty-nine the alternation was 25,121 males and 34,520 females which made 611 more males.

1 The comparative deaths, in Mr. Rickman's table, p. xxxvi, were so

	MA	LES.			FEN	LALES.
	10	4,494			10	8,314
	9	7,714		-	10	2,714
	7	7.327	57	79		9,010
	3	9,399			4	7,075
	- 1	1,607	109	100	- 1	6,491
		2879		- 54		4813
		546			-	1091
	-	75			100	152
		11	10	(6)	1	18
	-			-	757	0.000
		. 10 . 9 . 7 . 3 . 1	77,327 39,399 11,607 2879 546	104,494 97,714 77,327 99,399 11,607 2879 546 75	104,494 97,714 77,227 39,309 11,607 2879 546 75	104,494 10 97,714 10 77,327 8 39,399 4 11,607 1 2879 546 . 75 .

Presenting, in the ages from seventy to one hundred and fourteen years, 25,626 more female than male deaths.

§ Of the age of ninety the males living in 1821 were 2253; the females, 3280.

Of one hundred and upward there were 60 males and 129 females.—Rickin., xxxvii.

lasted to one hundred and twenty four, and this was a fe-

On the whole, there were, in 1821, living in England and Wales, of all ages, 227,567 more of the femmine sex than of the other.? Thus the living fabric of society in this part of our island was composed of 62,538 more boys, in the ages under fifteen, and 291,105 more grown up females, in all the subsequent years from fifteen to the duration of a century and more. So that female mind and habits were operating in our social world nearly a fortieth part more than the male, as far as greater numbers and maturity affected it; for this superior quantity was that of the female mind in the two periods of its most pleasing and its most serviceable state, and thereby of its greatest influence, especially in all that relates to the nurture and education of the young, and to the direction, tone, character, and government of domestic life; and not less so in all that power and benefit which sensible women unassutained exercise and impart to sensible men in heir counsels and conversation, and by their example and manners.

It is the female world which chiefly cements society together, and gives it kind and tender feelings, and neighbourly friendliness, the love of peace and repose, and mutual esteem and good-will. Their natural regard and sympathies for the other sex incline them to its society, draw it into theirs, and, by promoting the desire to please, contribute to increase the amity and attachment of men to each other as well as to themselves. They foster and circulate the amiable sensibilities, and give a perpetual popularity to the gentle and obliging disposition; to that softened state of mind and manners which is peculiarly efficacious in civilizing and regulating the human strength and energies. The virtues and qualities which most beautify the human character are most natural to the female nature in all its ages, but are less so to the male beyond his infancy. His greater powers, impetuosities, and activities suppress their influence as he rises into manhood and vigorous employment. As he grows into this, the emulations and ambitions, the strivings and the contests of human life then ex-

* Rickson, vol. i., † The whole living	P. 1	XXVI	•					
Fomeles .				:	:	:	:	5,379,619 5,152,050
More femal	•			•	•	•		201,561

cite more of his attention, and make him a partisane busy world where all are struggling so carnestly and naciously for distinction, property, power, enjoyment, periority. It is in the female characters about him sees and feels the interestingness and the utilities of tender feelings, of the affectionate heart, of the mild at tomper, of the kind manner, the obliging readiness, desire to please; of social peace and quiet, and of the dearing comforts and placid happiness which the female in its various conditions of mother, daughter, sister, ative, or visiter, is continually producing or extending

From all these considerations we may discern the ments of the Creator as to female life to have been a planned. Fewer females in their childhood and git than boys; but from that period, more of them than after they become capable of being the cause, aids, as of a household; more always in the mature population the larger part of the coexisting generation consists of living always in their homes, and tending their young and relatives, and pervading general society as its mo lar and continual guides and supporters; while the labours of male life call that to different habits in the scenes and occupations of the world; and it cannot, the so efficient in the moral direction and education of society and of the growing mind.*

The benefits of this part of the economy of human felt in all stages of its political condition; but least savage and uncivilized tribes and eras. They increa human cultivation, and will here preponderate as educative ciplines the mind, as suitable knowledge enlarges its tand views, and as religion elevates and purifies its in hopes, and aspirations.

^{*} There are more males alive than females under fourteen, there are more born; but female infants appear to outlive the first year, but sixth of the females. One third of the males born died in their first year, but sixth of the females. One third of the females bill under six; thus in seventere, but not one third of the females till under six; thus in seventere died, within the first year of their age, males 167,717; 130,935; making a difference of so many as 30,763 less females that early period; of one and two years, males 83,636; females that early period; of one and two years, males 83,636; females that early period; of one and two years, males 83,636; females that early period; of one and two years, males 83,636; females deing 5176 less females. In the three next years, or under fand six, there were 1347 less females dying; so that 43,305 more children than males lived to attain the age of five years in Engl Wales from 1818 to 1824.—See Rick., p. XXXVII.

The present state of American society differs from ours in a compartment of it; and moral consequences seem to folfore the diversity, and will probably continue to do so, assessme improvement in the habits of life lessens the presentio of mortality among its female classes.

nateed of females being, as in England, the larger number. the whole census in the United States in 1831 the males a the most numerous hody, in a population nearly the m as, in 1821, was the English amount. Up to fifteen rs the females were, as in England, fewer than the males, t ry were more in the next five years of age between fifteen | twenty : 1 but from that time of life to the period of eighty. men always surpassed them in number o From eighty to handred, the aged women were the largest portion. | but, he centurial duration, the men were in greater number. The result of this comparative position of the two sexes in erica is, that in all the most active and mature ages of life. men are more numerous than the women. It corresponds h our preceding views, that there is in America more of style of conduct and manners which characterizes the moral and civilized population. America is at present

T	fron mai Franc	les T les	/ere	:	:	:	:	:	:		88,869 87,909
_		Jee Mar		·	•	L 46.	<u>.</u>			1	91,970
-		ajeo emai									96,51 10,816
	lee, 575,4	14 ; 1		en, S				•	•	-1	15,703
130	perios ()	ORA 1	WER	ly Io	olg i	MAI.E					Puma Lea
	90 to 30					952,9					915,662
	30 to 40					592,5					555,865
	40 to 50					200,3					255,425
	50 to 60					230,5					222,V2F
	60 to 70					134.9					130,466
	70 to 60	•	•	•	•	84,1	36	•	•	٠	64,034
			3,229,414 2,234,440				2,230,480				

deficient in that superior proportion sons which so much increases th

and sound judgment of the English co

The mildness and kindness of female natu its characteristic in all regions and societies. to be the fact throughout Europe, and we find it as n elsewhere, and in the rudest as well as in the less cul nations. It influences the conduct of the sex in Tu it actuated the feelings of the negro queen in West A and has been observed to prevail in New Zealand o it prompting an American lady to resolve to emancipate slaves, though with a heavy pecuniary loss, as soon as s acquired the right to do so, and to take much trouble to p chase the full property in them that she might effectuate wishes-a rare instance of such persevering and disintere humanity.

* The American press may be quoted as the best judges on in the American newspaper called "The Philadelphia Gazet is considered to be conducted in an able and moderate spirit, y "Revenge, riot, and intemperance seem to have their perevery section of the country. Exhibitions are every day me less excess, of infernal jealousy, of cold-blooded malignity, of sing sensuality, of utter recklessness of life, and entire disre disbelief, of a futurity. Murders, robberies, gambling in all its suicides, and mob-outrages have become frightfully frequent. of the sermons of the present American divines expre plaints of the spreading demoralization of the general mass.

† The mildness and kindness of FEMALE nature appear in all res and societies. One instance is at this moment before me, in the of the Bosphorus, "The Island Scio had been granted out to se successive sultanas, nearly connected with the reigning monarch. U these gentle taskmistresses (for such has been almost uniformly character of Turkish females of high rank) the people bad attained

highest degree of cultivation."-Ed. Rev., vol xiv., p. 135.

When in the negro kingdom of Boosa, Mr. Lander says, "On a return here, the face and hands of my brother and myself were m awollen and highly inflamed by exposure to the sun. This circum

excited the queen's sympathy almost to tears."—Lander, vol. ii., p. li § Mr. M'Donnel remarks of the sex, among the as yet uncivil people of these islands, "The women possess great kindness of hear and those who are married are seldom guilty of infidelity,"—Mem 1834, p. 326.

|| When some American philanthropists were forming their color of Liberia in Africa for emancipated negroes, a lady wrote to the ass tary: "I have deferred making a direct application, until I obtains full and legal title to them, which I might be able to trans

laboured incessantly to effect this end; and I am now in full as lawful purchaser, of twenty-five negroes, and I propose a them in the way which may appear most advisable for their b We see the maternal feelings as strong and provident in the Indian women of North America as they could be among our own, notwithstanding their savage and suffering mode of the. Among the wild tribes of this quarter of the globe, they have such curious and retentive minds as to be the traditional historians of their nation. Indiced, in other uncivilized populations, they have been found to display no want or taferiority of active intellect when they have been permitted or encouraged to exert it. We may infer this to have been at all times the case, by so many of the distinguished nations of antiquity having been governed by queens—a kind of soverings that always imply willing and happy subjects, because

estantion is such as precludes the possibility of my doing more than to give them their freedom. They are awarded to Lie at a valuation of 100 dollars. They are young and promising a number of young beys, some young girls, and a few old persons." North Amer. Rev., No. 28. p. 147.

"The Richardson states: "The Crees use a craile extremely well stapted to their mode of life. The infant is placed in the bag, having its lower extremities wrapped up in soft spingnum, or bog moss; and, without the least danger of tumbling out, can be hung up in the tent or on a branch, or be suspended on the mother's back by a hand which trauses the forestead, so as to leave her hands perfectly free.
"The splagnum in which the child is land forms a soft slastic bed,

"The aphagnum in which the child is laid forms a soft elastic led, which affords such a protection from the cold of a rigorous winter that the place would be ill supplied by cloth. The mothers are careful to col-

lect a sufficient quantity in suturns for winter use.

"Bath sense are food of their children. The father never punishes them, and if the mother, more hasly in temper, sometimes bestows a blow or two on a troublesome child, her heart is instantly softened by the roor that follows, and she mingles her tears with those that streak the emoky lace of her darling." Frankin's Voy. p. 60.

† Dr. Feathin mentions this fact. "The Indian women till the foot, muse and bring up the children, and preserve and hand down to posterny the memory of public transactions." Re-

marks on the Savages, Works, vol 11 , p 116

; The American inisionaries to the Mociety Islands in the Bouth Sag. is 1834, stated; "Most of these islands are governed by women. They preside at the debates of the chiefs on the public affairs of the island, as datas as active part in them. The meetings are open to all the natural said, whether of high or low degree, any one is allowed to give be opinion on the subject in question. In these debates the women generally evince mental qualities superior to the men, and also surpasse them in their attainments at the missionary schools." American Papers, 1834.

It seems, however, that it was Christianity which had brought these qualities into light and action; for the same letter adds: "Mince the stablishment of the measuraries on the island, the conductor of the women has undergone a great change. From a state of abject above? and minory they have become comparatively free and happy?". By

so much more easily displaced if their rule should be offensive.*

In Russia, so frequently governed by empresses, who have largely contributed to its national prosperity, the gipsy females are highly distinguished for their talent of vocal music, and are found fit to hold a station in its aristocratic ranks, when they have been selected for their attractions to be so elevated.† But perhaps one of the most natural effusions and exhibitions of the affectionate sensibility of the female heart, in its earliest, purely native, and instinctive form, is the cmotion displayed by a Hungarian child towards a bear that had nurtured her. I

The Chinese females deserve our notice and applause for that union of gentleness with steadiness and patient endurance which everywhere claims and affects our sympathy. They displayed these qualities unaffectedly and unpretendingly lately at Canton, under the terror, agitation, and distress of a great sudden conflagration there.

* You will remember, from your historical studies, several celebrated queens; Semiramis of Assyria, Nitorical of Babylon, Clcopatra of Egys, Artemists of Asia Minor, and Zenobis of Palmyra. In 1770, Mr. Swiston published, in the "Philosophical Transactions," the description of a coin bearing the veited head of a woman, which, from the characters it, he showed to be Philistides, the Queen of Malta and Gozo, before the Carthaginians became possessed of these islands.—Phil. Trans, vol. Ix., D. 80.

voi. ix., p. 80.

† "Of the gipsies, or, as they style themselves, Rommany, there are several thousands in and about Moscow. The female gipsies are the most distinguished, having, for time immemorial, cultivated their vocal powers to such an extent, that although in the beart of a country is which the vocal art has attained to a greater perfection than is any other part of the world, yet the principal gipsy choruses in Moscow are showed to be unrivalled. The sums obtained by these performers are very large, enabling them to live in luxury of every description. Massy of them are married to Russian gentleman."—Attenseum, 1836, p. 568.

† "At a late bear-hunt in Hungary, the hunters succeeded, after moch difficulty, in killing a very savage she-bear. She was scarcely brought the recovery when a vocce.

? "At a late bear-hunt in Hungary, the hunters succeeded, after much difficulty, in killing a very savage she-bear. She was scarcely brought to the ground, when a young girl about twelve years of age rushed from a thicket, and threw herself on the dying animal, making the greatest dementations. With considerable trouble the huntsmen constrived, by means of cords with running knots, to capture the little savage. laquiry being set on foot, it was ascertained that a country-women had lost her child about twelve years before, and had never been able to discover what had become of it. The girl has been placed under the care of the Countess Erdodi, who has commenced her treatment by keding her on roots, honey, and raw meat."—Gazette des Portes de Frankfort, March, 1635.

of Their behaviour is thus described in a letter from Camton, deted No-

his extraordinary nation, in some points so laudable, in so unfavourably peculiar, the character of their women ich kind and impressiveness as to lead one of its popnters to sketch the female excellence he delineates as ung great delicacy, cautious modesty, gentle manners, " rulous fear of censure, a love of honour and reputation. zed principle and high-minded virtue.* In his own

1826, detailing the destruction of the new city of Canton by The clarm was given at eight o'clork in the evening, and the are cleared. The wind freshened, and the flames aprend couth, d west, and regret all night. The expects of the subtries were 6 by a dense crowd of people, conveying their goods, or guiding males and aged relations. The clussour of men and clash of n so they cleared the way... it is cleared to man and chief of a so they cleared the way... its shoulding acronning, threatening, apparating were horrible. At two o'clock it had burnt down the a gate. At that time the females and children of many familion a the walls, sitting or lying on their furniture; while others apporting and guiding their helploss, bedrid, aged, and blind re-The behaviour of the women was particularly remarked; it

aut admirable. No complaining; no acreaming; no fainting; mness, resignation, and self-possession. The tones of their were watched, as they occasionally gave direction to their chil servants and they were bland, subdued, and points. The sight raing city is dreadful any where; but its horrors are multiplied in

-Public Papers, 24 March, 1930.

poets and novel writers, when they sketch hutner manners, usuw from characters they are acquainted with, I consider the dee of the Chinese nutbor of "The Fortunate Union" a representathe Chinese lades he most admired. His heroise was Mittey-

oyebrows were like the siender leader of the willow in apring; r whole aspect that of a delicate autumnal flower. Brought kerly in the retirement of the female apartments, she surpassed acy a miken tunue. Still, however, when the occasion called e presented talente and resolution beyond many of the other ♥ol'1.p.50.

sentiments secribed to her, in her conversation with her uncle, an unjustly persecuting her, are highly creditable to the female or of thins in its most respectable rises.

s violation of the laws to avil and cruel purposes," replied Shuey-. " may make the fruit humanity of a worthy and exalted charemble, but such natural forlings will never compel it to descend a moral elevation for, being governed by a fixed principle of recthe presence of the susperor himself will never force such a chardegrade Heelf

in farther urging her to what she decined wrong, she answered, proverb says well the winter insect must not talk of summer: emers (the Heeykoo, never knows spring and autumn. We are I acquainted with the nature of our own attuations. Let me yes, uncle, to mind your own affairs. Your mere throws that re each things as propriety, virtue, reputation, and sail-govern-in comparison with those, happeness and minery are haddeness.

person he likewise ascribes the preservation of morality among his own sex to the influence of such examples. * and shows. by the verses which he adds on his heroine, that he felt what he delineates to be the natural beauty, as well as the cultivated excellence, of the female spirit. †

Thus in every country the peculiar amiabilities of the female mind are felt to be distinguishing moral beauties to it: are valued as such, and are everywhere disclosing themselves. The male spirit, however entangled with other habits and absurdities, yet is interested by the more delicate and gentle nature of his allotted companion, as long as she preserves her attracting virtues, undebased by what sullies and destroys them. She is, however, susceptible of such degradation; she may become all that is most odious and abhorest. It is painful to find that such a perversion exists at present in

to her. Pray, then, give yourself no uncalled-for anxiety on my account,"

"To die once is nothing in comparison with the loss of virtue," p. 36 The Fortunate Union, translated from the Chinese original by J. P. Davis, 1829.

* "Reason's highway is straight and plain : unlike

The creoked, devious path of worthless men. Did not a faultless heroine sometimes shine

Virtue's great cause entirety would fail."—Ib., p. 62.

† "Her nature was ardent in the cause of virtue,
Though the softness of her affections was easily influenced.

To blend thus the warmth of passion with the rigidness of principle,
Is the perfection of meral excellence."—Ib., vol. ii., p. 367.

"Wonder not at this female,

With slender waist and delicate hands. Her heart, though warm, was pure;

Her temper chaste as ice;

In the singleness of her purpose she relied upon herself;

Unconscious of wrong, what need had she for distrust !"—Ib., 251. "While her father's wish was yet undivulged,

The daughter's heart already understood it.

" Mildness, without yielding, constitutes true firmness : Would you seek an emblem of mildness and resistance combined? The watery element affords the fittest illustration."-Ib., 250.

On being introduced to the emperor: "the son of Heaven turned his eyes upon her, and saw that she surpassed a flower or a willow in delieacy and grace." Her firmness in right conduct was the chief subject of his imperial commendation.

"We know that the relative duties are most honoured by a strict observance under circumstances of difficulty. The excellence of virtue lies in continuing inflexible; particularly when secreey affords opportsalty."-- lb., p. 205.

al of a country whose females have been praised for ightliness, good feeling, and kind manners; but Spain eat moral improvement: * yet all large cities have some he anomalies; and we may class this among those of nt, but still deplorable description, which disgrace our lut even for the existence of these we must accuse our; for what are they but the victims of the men who, own selfish ends, have deceived and corrupted them? sry sensibilities, then, make them both more miseramore evil beings, increased by the utter hopelessness sair of obliterating the past; of recovering their fortor estimation; or of obtaining any creditable means stence. To such wretchedness does the self-gratify-der lead and consign the female spirit he seduces and

The human ruin and misery of the suffering indiacome in time so complete, that it can never be surprit a temper half demoniscal should occasionally result

Nothing but the native good qualities of the female events this effect from following universally such a but these are so generally indestructible, that even norse, famine, contempt, and disease cannot wholly a overpower their instinctive operation.

merican traveller in Spain has given us the following account, in 1830: "Perhaps there are no women in the world possesses more strongly marked with reckless erime than those of class in Madrid, known by the name of Manolas. Unbreeded ics, and abandoned to their own vindictive passions, the bushlich they live are the nightly scenes of violence and murder; ily intimation which justice has of their crimes is when the dead he murdered of either sex, instead of being concealed, are thrust he afreet. As many of these women habitually earry own ust through their garters, the means of dealing a death-blow is nd."—Spain Revisited, by an American.

LETTER XXII.

The Aged Class of Society considered.—State and Proportion of them in England and Wales.—Review of their Character, Position, and Utilities in the Living World.

MY DEAR SYDNEY.

We find every population on the earth, and nearly every family, consisting of persons in the three succeeding stages of life—the young, the mature, and the aged; presenting to w at all times a living picture of the beginning, the middle, and The proportions the end of our designated earthly existence. of these to each other have been already noticed, and their mutual utilities likewise. I would now direct your attention for a short time to the consideration of the last division, whom we characterize as the aged portion of society. It has been a continual part of the Divine economy of our world that it should, in all its societies, contain a certain portion of this class of its human beings, intermingled with the rest, but varying in the length of their protracted duration. They have outlived all the causes of dissolution which have taken of the great bulk of those with whom they were coexisting; and have advantages, qualities, utilities, and purposes peculiarly connected with themselves, by which they are separated and distinguished from all the younger portion of the community.

In 1821 the state of living society in England and Wales comprised ten millions and a half of both sexes. Of these the aged formed nearly a thirteenth part, if we date this class of seniority from the attainment of the sixtieth year of human life. At this period of it the character and qualities of old age begin to be most visible and operative; and those who had reached this duration formed at that time an amount of 791,997 individuals of both sexes; being in number, at the latter end of human life here, about half of those who were at its commencing period, or under five years of age.*

This aged portion of society were distinguished from early other by the differences of their respective sensority. Two accounts of them were between seventy and eighty: we quite a twelfith between eighty and ninety. The first being equivalent to almost one forty-fourth part of the whole population; the last being only a hundred and sixieth portion. Only 5223 of both sexes were between ninety and one hundred years, being only 1 in 1903 of the whole community. The very few who had reached one hundred years and above were only 192, being but as 1 in 55,717 in a population of ten millions and a half.* Of those enjoying this extreme longevity, two thirds were females.

In all periods and states of society we find such a class existing; and in proportions, though not so large as this, yet always of sufficient number to make it a distinct order and stage of every population. In conjunction with the mature, they form, as before remarked, the consolidating and stable body of all societies; presenting always a remarkable contrast to the interesting divisions of infancy and childhood, as well as to the ardent, fearless, vigorous, imaginative, enterprising, and reatless vooth.

A distinct moral and intellectual character from these has been assigned to the aged members, and is generally acquired in some degree, and is most usually sustained by them. Thus, in its completeness, is such as they gradually and spontaneously form out of their accumulated knowledge, their varied cheervation, their long-exercised judgment, their repeated experience of the results of earlier fancies, hopes, speculatious, and pursuits, and their more solid reasoning and calmer wisdom thence arising. They are more convinced of the need of self-government by the sufferings they have endured from many unrestrained self-indulgences; and, by the changes in their bodily constitution, they are more able as well as willing to practise it.

All those elements of wiser life bring with them a sedate-

* Rickm, p. xiiii. The numbers were-

				MALES.								
00-00	•			231,500			349,184				460,693	
70-79				115,033			124,648				239,680	
				29,587								
				2253								
	100 and upward										189	
	-					•		•	•	•	Ib., xxxvil.	

ness of resting mind, a love of repose, a contentedness with moderate comforts, settled habits of conduct, and an indisposition to further competitions and exertions, which make their existence an advantage to society as well as to themselves.

As a possession and gift of existence, which has not been permitted or granted to all the rest of the generation, of which they are the surviving portion, old age may be considered by those who enjoy it as one of the greatest blessings which their Creator has bestowed upon them. It is a special benefaction of which they are the subjects; for such a class of society could only be in it, from the laws of death being so modified in their individual cases as to produce this result. The plan of life as to all the ages has been deliberately arranged and steadily sustained; and could be carried into contained and adjustment of the annual births and deaths, so as to cause society to be always composed of these various costist-

ing stages from infancy to old age.

That such a portion of the aged shall always be in the living world has therefore been a special ordainment of Providence, specially effectuated by the specific process which he been established, and is ever operating to this end. individuals this section of human life shall from time to time be composed, is the selecting determination of the superistending Sovereign of all, made on the principles on which be regulates human life in its individual application; but beings choice and a favour extending only to those who receive the benefit of it, their personal gratitude to the Almighty Giver of what he alone can grant or take away should be as uncessing as the prolongation they enjoy. It is a temporary preference which none can claim or deserve, but which should excite the desire not to use it unworthily; the gift makes it more imperious on those who have it, to show, by right conduct, and thankful feelings, and obedient heart, that a longer continuity of existence may not be unfitly granted to them, either in this world or in that which is to succeed. Misused longevity here can be no recommendation to the addition of an endless life hereafter, as it gives the strongest evidence that the future blessing would be misemployed.

It has been an admirable plan that human society should be composed of all ages, countenances, figures, and degrees of statum, from infancy to sensity; and that each should act and feet according to its own powers and qualities. On this gustess our living world is, at all times, a more pictureaque, facutiful, interesting, and useful community, then it could have been if the Creator had chosen to cause all the new manufactures to appear in complete menhood at once, as Adam he formed; or had ordered them to grow up suddenly from the carth into full meturity, as in the Cadmean fable of the Wattern population.* Both of these modes of origin were fabrable, and equally easy to the Universal Maker.

But he has preferred and still adopts the scheme of causing coursy population to be that mixture of all the stages of human lib ution makes society a vest and multifarious drams of uncasing interest and estimation; in which all are performing that allested parts, with a mutuality of benefit and pleasure

which mover dissiplence.

This plan of our social world is peculiarly favourable to its ally happiness as well as to its general beauty, and seems to have been devined with express reference to its agreeable effect. All meture would have made life a more counting-buses of business or an arene of warfare: all aged would have weakened and saddened it; youths alone would have disordened and saddened it; youths alone would have disordened at childhood only would have converted it into a talyheune of whim and folly. But on the acheme which has been adopted and realized, there is always enough of the elden, for the most important offices and substantial realities, to ensure the stability of the social fabric; and this being provided for and thus upheld, all the others become agreeable ensurements and exhilarating companions to it. The scattered groups and moving forms of the younger are always pleasing; B is they who cause the story of life to be so often postical and pathetic. Living chiefly on their fancy and feelings, and

Ovide description of such a mode of producing markind in pictoridy abstacled. When Caderus had killed the dragon, Minerus orders has to sow the aeroen's teeth in the ground he tille, as the "populs in-

Parat : et ut, premo nulcom patefent grates, Spargit leum james, poerfolie nemina, dentes. Judo (fide majus), glaba napéra moveri : Primague de outele anies appareir houte. Tagnina mos reputan prio repacta esse : Mos homers, poetasque, encretaque irradita tella. Existent, escolópio capas elyquata vicerum."

fond of activity, it is from the ardent, adventurous, fearless, hoping, restless, day-dreaming, and struggling youth that the most moving, agreeable, and startling incidents originate. Ever pursuing meteors of their imagination; often like shooting stars themselves; elastic in nature, and bounding from disappointment, their wishes, passions, and projects are always infusing into the world they mingle with a vivacious and invigorating influence. But the inexperienced Telemachus wants perpetually his Mentor; and the aged supply in daily life the presence and services of the Palladian sage. The Homeric fable, so intellectually continued and expanded by Fenelon, is a parable of our living world. Youth guided lessoned, and guarded by age, is a dramatic representation of the plan on which our social economy has been framed and is still conducted. The aged are thus indispensable elements of human life, and are so arranged as never to be absent from it.

This is a settled law: and the agencies and ratios of death are so governed, and the preceding stages are by these so removed, that all population shall have their needful proportion

of these conservative seniors.

But the aged are not only designed to be the counsellors, the directors, safeguards, and intelligent rulers of society, though rather by pervading influence than by exerted authority, but they are also always subsisting with other great benefits to themselves, and to all those with whom they have their ordinary intercourse and neighbourhood. It will be right to think of these advantages, because the remembrance of them will increase their utilities, and the gratification derivable from them.

Human life has, in all its stages, two great PURPOSES and two great OBJECTS continually connected with it. The FURPOSES are good to the individual himself, and good to the society to which he belongs, and thence to human nature generally, as far as the effects of his existence may extend. The OBJECTS are his present comfort and improvement in his present life on earth, and the preparation, adaptation, and education of his undying spirit for those scenes of its future abode which lie beyond the grave. For, however we may forget the fact or be insensible of it, we have been created to be the beings of two worlds—of that before us with which we are familiarly acquainted, and of that to which death will introduce us, but of which we can now obtain no knowledge, created

set revelation supplies; and this has spread before us commentous prospects, awful beyond adequate descripspring beyond the power of famy to exaggerate or

good to the individual must have reference to both spects, or it will not merit the character of a homeful erve the name in its reasonable filmens, it should have relation to the grander accuse of his uncessing being the lovel present one which is always temporary and

Now nothing seems to be a greater beasfaction to than attaching to his life on earth such a state and i that of old age; and nothing may be made a greater to all who live to attain it, and who will derive from enlightened firmness, its deducible utilities. The riose is an obvious as the produced advantage.

sty, the ties of busy and social life become loosened, it, we are no longer climbing, competing, or struggling, an no longer do either with effect. The strunger and interprising are pressing forward themselves, and age self-compelled to leave to them what it has become any longer to pursue. Hence the constitution of our

certainty that there is a futurity of some sort or other awaiting a creates, inscendibly or involuntarily, such in those who most deceavour to dealerleve it, an uneasy apprehension about its nature space on as a approaches. Many instances show that no shape in destroy the fear for the belief of such possibilities. The harten or Chapteria of the lost century is an instance of that. The harten or Chapteria of the lost century is an instance of that high Hoggeth made him one of their points of satirs. Yet, though he is in contempt and violation of all moral and religious obligation in a contempt and their approaches mature and reason reason a sense, et increasing any proposition in the feature of the results which he had most relicited worm not impossible from the Hom J. Crawford dated Edinburgh, 27th Folia, yet, and you of the death of the function Colonel Chapteria, by none. He has belt in been than 14,0000 stepping a year, the was executingly articular to know if there was used a belt and sold that he would give 20,0000 were he assured there as he place. Prof. Woodrawi, Sing. 1974, p. 324.

the gainst of him in the first picture of his "Harlet's Pragress" as as the young victim of a procurence, and Populate thus signalized

[&]quot; Shall some old temple, midding to its fall,
For Chartres' head reserve the hanging wall to
Know on Man, back 4,

nature turns and weans the mind from the ambitions and excitements of worldly life, or makes disappointment the result of any pertinacious efforts to be the bustling actors and contenders that we may have been before. The very changes in our body prevent and disincline us from being any longer wrestlers or combatants in that arena from which we are about to be withdrawn. Our frame and functions have been expressly constructed so as to produce this effect upon us at this period of our earthly duration. These alterations disable the individual spirit from being or doing any longer what it was and did in its younger capacities. The internal changes increase as we advance to seventy years and beyond; and thereby the mind is brought into a state of vacancy, quiet, and scretity as to all the endangering, agitating, and occupying pursuits, passions, projects, conflicts, and perturbations of the present world, which, by their opposing effects, exclude the des consideration of any other.

To all these old age brings its natural anodynes—the sedatives that act most efficaciously on the ethereal nature of its vivacious personality, and which gradually draw the spirit to that pausing tranquillity of thought and feeling, that suspension of all that would impede its better thoughts and further improvement, which peculiarly suit the grander objects that are now awaiting it, and to which nature is pressing it with an

accelerated force and irresistible certainty.

Protracted years thus enable and dispose the aged to give that more direct and continued attention to the next stage of their being to which they are unavoidably advancing, but which, amid the activities and enjoyments of younger days,

they were less able or less inclined to think of.

The bodily changes of age are likewise admonitions to it to regard itself as a being who is not to be much longer a residing or abiding portion of the present world, but who has decidedly commenced his journey to another, or who soon will be conveyed to it. To this region, though its position and circumstances be involved in obscurity, age then invites us, and peculiar circumstances are always arising to give its thought this direction.

Age outlives every day more and more of its former hopes and attachments, and of all connected with them. Its preceding friends and acquaintances die off in every succeeding year; often in every sequent month. Those who were most like vup with it, and with whom it had most symlews, and hopes in common, disappear to ret ira has stell surrounded by others, who, breause jer, have not the same ideas and fremigs, for is same plans or prospects. All things second anger to it. The state of patient exerts also has Maliula as strail I, and here a ... a or has ses win our years. Hence, who agend it beteef Atters to the grown of the earth of the filters have e word around its wine in trotte for whitever has حميد المسلم سامان بالعياسية جيل جمي يا وه 100 Wall the last with the town As also become BELLESS I A CLASSE WAS SET OF THE THE White are a significant to the letters are inappearance to the second of th BARRIES See, 1, 2, so the hortes of tree as A March Street, and the State of War of which and A Service of the Control of the Control to the first of each, so in a con-Seath and the second of the last Marian to 1 Cm. and the contract of the mines and the and after the entire of the entire of out the same ug same in a se Ja- . . . 6 (1) (2) (3)
 6 (1) (3) (4)
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or or io not look at it without feeling it to be in this state of pass carries our thoughts involuntarily to the region of the d It alently reminds its companions both of death and i tality; of death, as a picture of natural decline towards of immortality, by presenting to us, in its intellectu social animation, a principle of vivacious life that see youd the power of bodily dissolution to destroy. The older t becomes the more it awakens these ideas; and thus or hiving world, by the very principles and laws of its natur constitution, is always setting both death and futurity before us; the beginning and the end, and the ulterior state and sequence of human life. In this panorama, age and longevity act like the heralds of time, to warn us of that eternity which they are so closely and so visibly approaching, that we expect every day to find that they have disappeared into it. The moral effects of such remembrancers are small and gradual, but, being continuous and universal, produce important benefit to society in their extensive and collective amount. Human good is made up, in every individual composition of it, of innumerable small particles, successively, and often imperceptibly accruing.

But the direct and positive benefits of old age to society, while it can efficiently serve it, are as incalculable as they are obvious. It diffuses all those advantages which superior knowledge, experience, judgment, and practised wisdom can confer and are always imparting. Literature, science, polity, legislation, magistracy, all national cabinets, and most of the active departments of life, attest the continual contributions of the aged to the right course, and progression, and well-being of their contemporaries and of posterity. No community could long prosper without their services and influence.

Every individual in this stage of life may also, in his little circle, become a benefactor and a model to it. He may always be doing some good by his examples, his counsels, or his judicious and kind assistances. Age thus employing isself, as the opportunities arise, may obtain a personal estem and regard that were not its property before. The heart and reason will unite to affix to it a distinction and a veneration peculiarly its own. Such a result, while it will make its longerity valuable and desired, will also sooth the positive one of the most release to the control of the most release to the control of the control of the most release to the control of the control of the most release to the control of the control of the most release to the control of the control of the most release to the control of the control of the most release to the control of the contro

of it with one of the most pleasing cordials that life

min-the approbation of those with whom it has its daily in-

It has been a subject of inquiry, whether longer life accross eftener to the married or to the single members of society. The Prussian gentleman who has investigated the point considers it as certain, that, in both sexes, marriage contained to longevity.

LETTER XXIII.

Great Langevity one part of the Plan, and one of the Lauce of Human Lafe.—He Essetence in Antiquity, and in all Periods of the World down to our own Times.—The most remarkable Instances of it in the two last Conturies.

MY DEAR SYDNEY.

The tables of both our living and dying world show us that it has been a further part of the Divine plan of human life that there should be, among its various populations, some individuals who should enjoy such a prolongation of their human life as to reach the age of one hundred years; and that a smaller portion should last several years beyond this date. Such individuals are found not only in almost overy other

* By. Casper, in a paper published at Berlin in 1836, remarks, that Budhand, Departioux, and others have secreted that backelors are less tang-lived than married men. Other first made the inquiry with any excesses. He found, "Bibl Dict.," 1814, that in females the mean duration of lefs for the married women of twenty-five was above thirty-six years, but for the ensarried only thirty and a half. At thirty there was a difference of fear years in favour of the married, and at thirty-five an admission of two years.

vanage of two years.

As to men, he inferred from Deparcioux and the Amsterdam tables that the meriality of those from thirty to forty-five was twenty-seven per east. for the unmarried, and only eighteen for the married; also, that it is more attained the age of forty to 41 bachelors. The difference becomes more striking as age advances; for at the age of sixty there were only 22 unmarried alive to 48 who were married. At accuracy, there were the proportion of 11 bachelors to 37 married men, and at eighty, 2 only to 9. Nearly the same results were exhibited in the famale sex; 73 married women were forty-five, while only 32 unmarried had reached it.—New Monthly Mag., 1836, p. 250. Hence Dr. Casper thought the point to be incontestably settled, that in both sexee marriage consigned to the lengtheening of the individual life.

country, but likewise in all eres, and even in the site states of society; in the uncivilized as well as" ized. These circumstances concur to indicate that traordinary longevity has been an appointed continu human nature; contingent as to the persons who shou and exhibit it, but certain and fixed as to the occuts the phenomenon, in those proportions and degrees in has been found to take place. Like all the results a laws of our life and death, both the extension of the d and the ratio of those who have it as to the rest of the munity, vary in different times and places; but always limits that are never overpassed. Their numbers are few, but their appearance forms a constant portion of societies. It is therefore, a law of human life, that it be thus prolonged in this section of its living weeld. law must have been specially designed, and, like all cific laws and their results, must have some process of attached to it from which its effects originate and by acts. Some special purposes must be also accomme operation, for which it has been instituted. All the are worthy of our consideration. Indeed, there is n individual to whom they can be uninteresting: for a contingence is certain, as an established law of natural cur to some, and as the possibility is attached to the pr of life in one as well as in another, every one is sue of the benefit, and no one can beforehand know that not be the subject of it. It is one of the grand prizes man existence in this world, sure to fall into the no of some one; and therefore reason suggests to all to whether any skill or care can increase to individu chance of acquiring it, and of making it, if it should as comfortable a period as any other portion of his pres istence. As it will be always a gift of the Divine w to those who enjoy it, and, like all his bounties, is he a blessing, my own impression is that it may be a happy epocha of an earthly life. This is more within our than its attainment; for though much may be done. lightened judgment and self-regulating care to favour currence, still it must always depend on his will who t it, to whom the benefaction shall be applied. Yet. gevity has been thus made an appertenance to human n the probability will always be, that, by a due use of that are within our power to apply, it may be acquired poyed by a greater number than have hitherto expe-

this extreme longevity has been in the world in all re see by the great ages of the first ancestors of the mation, and by those of the chief heads of their tribes. Instances occurred in ancient times of persons living a century. To what is not improbable in this resome of the Greek historians added other accounts, in their literal statement, must be deemed incredible. Modern writers have imitated their extravagance.

shem died at one hundred and seventy-five, Gen., c. xxv., v. 7; his reh at one hundred and twenty-seven, c. xxill., v. 1; his son one hundred and eighty, c. xxxv., v. 28. his other son labmasi undred and thirty-seven, c. xxv., v. 17; his grandson Jacob at dred and forty-seven, c. xivi., v. 28. Joseph lived to one hundred and twenty, Deut., c. v. 7; and dombus to see hundred and twenty, Deut., c. v. 7; and dombus to see hundred and ten, Judges, c. ii. v. 8. fissa, one hundred and twenty-four; Judsh, one hundred and twenty-four; judsh, one hundred and sety-six; Simeon, ose hundred and twenty; Dan, one hundred saty-six; Simeon, ose hundred and twenty; Dan, one hundred fahrty-seven; Naphtali, one hundred and thirty seven; hundred and ten; Gad, one hundred and twenty-five.—Whitehurst's 170.

by has enumerated some instances of longevity: M. V. Corvinus one hundred years, having been twenty-one times in the consist. The Postifex Metellus was sold; Gorgian, a Stellian, was sired and eight. One at Bologia was one hundred and fifty arks of the female world, that Cicero's Terentia reached one hundred and fifteen. Another appeared ablic sings, in the votive games for Augustus, at one hundred and another one hundred and afty to a hing of the Tartes-Theopompus one hundred and fifty-seven to the Cretan Epi-

n.—Prin. Nat. Hint, b. 7, c. 49.

m., Hellenicus stated that one family among the Etolians lived to selved years. Danastes added that one among them reached even sadred years. Ephorus gravily attributed three hundred years, recadian kings; and Alexander Cornelius believed a person in Illus five hundred years old. Even Kenophon is cited as giving to a Tyre sax hundred years, and as completing the wonder by reprehis son to have been eight hundred years old. But Pliny reasonable to the paperne extravagance of the accounts may arise as different modes of computing the year. The Arcadian years sity of three months' duration, and others, like the Egyptians', were setted of solar.—Pliny, b. Ho Birabo reports the Sores to live two hundred years, and Ctesian ascribed two hundred to the In
-8. 18, p. 37, h.

Shee, in his " History of the Indies," mentions a native of Bengal died in the year 1966, aged three hundred and seventy; and Dr.

The most remarkable facts in antiquity on this subject that seem to rest on respectable authority, appear in the persons of this description stated to have been living in Italy in the time of Vespasian. But, though taken from a public docsment, the number is so great for one portion only of Italy, that I cannot avoid doubting the accuracy of the account as to its numerical quantity.*

Three instances of men, of as many different countries, who were contemporaries in the fifth century, show that the last of such longevity were in continuing operation. These were St. Patrick of Ireland; Llywarch Hen, the Welsh Bard; Attila, the formidable king of the Huns.†

England and Ireland were distinguished by several exemples of this kind in the seventeenth century. T Of these, two

Burnett says of the Bermudas : "One may reasonably suppose that the natives would live two hundred years."-Theory, vol. i., p. 275, 6.

* Lord Bacon thus states it, from his ancient authority : The year of our Lord 76, the reign of Vespasian, is memorable, for in that year was a taxing. Now taxing is the most authentic method for knowing the age of men. In that part of Italy lying between the Apennine mount and the river Po there were found 124 persons that either equalled exceeded a hundred years of age, namely-

s eacd	years	100	•	•	•		•	•	34
i	years	110							57
:	"	125							2
1	ш	130							4
37	or 137	135	•						4
		140							3
		140	•	•	•				3

Besides the above, Parma contained five, whereof three were one hundred and twenty years, and two one hundred and thirty; one in Placestia one hundred and thirty-one; one in Faventia one hundred and thirtytwo; one in Rimino of one hundred and fifty, whose name was Mares Aponius, and others.-Lord Bacon's Hist. Life and Death.

Aponius, and others.—Loru backins these this air Densin.

† St. Patrick was one hundred and twenty-two; Llywarch Bes,
whose "Welsh Poems" are still existing, was one hundred and far;
Attila died the day after his second nuprisels, at one hundred and far.
Bome passages from Llywarch's "Poems" are queted in the "Hist.
Angl. Saxons," vol. 1. and in the "Vindication of the Ancient Welsh
Bards." Mr. Owen Pugh published them, with a translation.

‡ The Countess of Desmond died in 1612, aged one hundred and fortyfive; on the ruin of her family she was obliged, at the age of one hundred and forty, to travel from Bristol to London, to solicit relief from James. Mrs. Eckleston, of Philip's Town, King's County, Ireland, died in 1691, aged one hundred and forty three. In 1671, Robert Montgomery, born in Scotland, died at Skipton in Graven at one hundred and twentyseven; and Gustavus Holme, a Dover pilot, was buried in 1686, st. Stoke, near Canterbury, in his one hundred and thirty-second year. Thomas Damne was buried in 1648, aged one bundred and fifty-four; set this gravestone at Leighton, near Minshal, in Chashire, his age is out in



The extremely aged of those mentioned in the last century were Hungarians, and the statements therefore, from the distance of their locality, can be less relied on.* The oldest of this period in England was a poor Yorkshireman, who 1768 reached his one hundred and fiftieth year. † An Irish officer of the army died in 1765 at one hundred and forty-six: and, about the same time, an English farmer at one hundred and thirty-nine. In 1732 another Irishman reached one busdred and forty: | and an English lady, in 1772, died at one hundred and thirty-eight, leaving a family advancing towards her own longevity. T Another had, in the same year, attained one hundred and thirty-three; had also children of the same surviving tendency.** These long lives appeared in all the three

one hundred and forty-eight, Ware, died 98th Oct., 1656; Martha Wale bouse, one hundred and forty, Blesley, Yorkshire; Dumiter Radely, see hundred and forty, Harminstead, died 16th Jan., 1782; William Evan, one hundred and forty-five, Carnarvon, living in 1782; James Bowds, one hundred and fifty-two, Killingworth, died 15th Aug., 1656; Jen Brookey, one hundred and thirty-four, Devon, living 1777; and sees others.

* These were, 1724, Peter Torton, of Temeswar, in Hungary, see hundred and eighty-five, a peasant.—Easton, p. 14. Of the same Basnet, in 1741, John Rovin, one hundred and seventy-two, and his will one hundred and sixty-four; both died in the same year, the one hun and forty-eighth of their marriage, leaving two sons and two daughter. Their youngest son was one hundred and sixteen years of aga.—h, 28 In 1797, Jonas Surington, aged one hundred and fifty-nine, resides see Berger, in Norway.--Ib., 275.

† " Francis Consit, of Burythorpe, near Malton, in Yorkshire. He was very temperate in his living, occasionally eating a raw new-laid egg, and very comporate in the living, occasionally using a law flew-liad egg. based great exercise. For the last sixty years be was maintained by his parish, and retained his senses to the last."—1b., p. 104.

† "Thomas Winslow, Eaq, of Tipperary, in Ireland. He was colonel in the srmy. He held the rank of a captain in the reign of Charles L, and accompanied Oliver Cromwell into Ireland."—1b., 87.

§ "Mr. Dobson, of Hatfield. By much exercise and temperate live he preserved his health; ninety-one children and grandchildren attended his funeral."-Ib., 87.

"William Loland, of Lieneskie, in Ireland. Though he lived to said a great age, he was never sick, nor lost the use of any of his faculties till

the hour of his death."-Ib., 16.

Il "Mrs. Chum, near Litchfield, Staffordshire. She resided in the same house one hundred and three years. By frequent exercise and temperate living she attained her great longevity. She left one see and two daughters; the youngest upward of one hundred years."-Ib., 13.

** "Mrs. Keithe, of Newnham, Gloucestershire. She lived moderately, and retained her senses till within fourteen days of her death. She had three daughters; the eldest aged one hundred and eleven; the sense one hundred and ten; the youngest one hundred and nine."—To., p. Uf.

The state of

thirty-eight years in 1791, is interesting to us for his pecu accommodation and intended kindness to our illustrious ton. I will give the statement as I find it printed-

"1791. Died, Jonathan Hartop, aged one hundred and thirty-tigit the village of Aldborough, near Roroughbridge, Yorkshire.

"His father and mother died of the plague, in their house in the in norice, in 1666, and he perfectly well remembered the great fire of La don. He was short in stature, and had been married five th left seven children, twenty-six grandchildren, seventy-four seculidren, and one hundred and forty great great grandchildren

"He could read to the last without spectacles, and play at a with the most perfect recollection. On Christmas day, 1788, w hundred and thirty-six, he walked nine miles to dine with ease of great grandchildren. He remembered King Charles II., and case telled from London to York with the facetious Killigrew.

"He are but little, and his only beverage was milk. He en uninterrupted flow of spirits. His third wife was an illegitimes ter of Oliver Cromwell, who gave with her a portion amounting to five hundred pounds. He possessed a fine portrait of the wo which Mr. Hollis offered him three hundred pounds, but was n

which Mr. Holis offered min three hundred pounds, but was re-"Mr. Hartop lent the great Million fifty pounds soon after the li-tion, which the bard returned him with honour, though not without difficulty, as his circumstances were very low. Mr. Hartop west declined receiving it, but the pride of the poet was equal to his a and he sent the money with an angry letter, which was found the curious possessions of that venerable old man."

The military profession, notwithstanding its frequent parts tions, fatigues, exposures, hardships, and sufferings, espec on active service, yet has comprised individuals who l reached the extreme periods of human longevity. In 1787, one of Oliver Cromwell's soldiers died at one hundred thirty-two years old.† In 1749, a dragoon was one hundred and twenty-five at his death. I A French soldier, who is served under Louis XIV. at Malplaquet, and travelled extension sively afterward, reached one hundred and twenty. 6 And the last surviver of the Duke of Marlborough's English army. lived until 1793, was one hundred and fourteen when he

† Alex. M'Cullock, near Aberdeen. After Cromwell, he servel in the army during the three following reigns.—Ib., 46.

^{*} Easton's Human Longevity, p. 241, 2.

Alex. Bennet, of Down, in Ireland. He was a dragoon at the best TAIRX. Bennet, of Down, in Ireland. He was a dragoon at the but of Boddle under Charles. II.—Ib., 30. Another soldier, who had are under the reigns of George I. and George II., died in 1794, a pensions Chelses Hospital, at one hundred and twenty-three.—Ib., 250. § The Sieur de la Haye died in 1774. He was at the taking of Utra in 1673, and at the battle of Malplaquet in 1709. He had travelled lead to Egypt, Persia, the Indies, and China. At the age of seventy married and had five children."—Ib., 145.

Two soldiers of the civil wars died at one hundred elve in 1783.†

I select another instance for your consideration, as it s a remarkable instance of one of the great pleasd benefits attending longevity—that of beholding the
ements which, during a single life, a prospering nation
s into. He was an American, who saw the site on
Philadelphia stands before this city was founded, and
thand magnitude to which it had grown before he
As the knowledge of such a person may have sugto Mr. Burke that simile of the angel and Lord Bathone of his speeches on America, which equals the
flusions of ancient oratory, I will cite here the whole
t that was attached to the notice of his death.

'and Drivker, of Philadelphis, aged one hundred and three, on very solid food, drank ten in the afternoon, but ate no supper was an amuable character, uniformly cheerful and kind to every-lis religious principles were as steady as his morals were pure, four times married, and had 16 children, all by his first wife, its tenth thirty years before he died, by drawing [qu. chewing] y hot tobacco.

life of this man was marked with several circumstances which som occurred in the life of an individual.

aw the same spot of earth covered with wood, and a receptacle ts and birds of prey, afterward become the seat of a city, not first in wealth snd arts in the New, but rivalling in both many

iam Billings, aged one hundred and fourteen, of Fairfieldhead, agnor, staffordshire. "He had lived to this age free from steknesses without a groam. He was the only surviving private in who had served under the great Duke of Mariborough. He was ter a hedge, in the year 1679, not a hundred yards from the cottre be died."—Easton, p. 257.

Trues, of Clay Hill, near Enfeld, Middlesex, was a soldler in of Chiver t'romwell, and William Hassling had served in the st srmy at the battle of Edgehil; afterward under King Willesend, and Mariborough in Flanders. Both were one hundred ive.—ib., 16, 17.

'ouse died in 1752, aged one hundred and twelve. He was born e, and served three campaigns in Flanders under Louis XIV., sred into the Dutch service, came to Ireland under Duke Schomlisted under King William, and distinguished himself in most of ss. (be leaving the ermy he took a farm.—Bh. 37.

aw aged sailors occur. In 1753, a Dutchman who had been in tpeditions of Admiral Ruyter died at one hundred and four, at sa.—lb., 20. In 1769, a ship-carpenter was one hundred and a was at work in the yard when the Car Peter came to learn ling.—lb., 116. In 1750, William Ellis died, one hundred and a, of Liverpoot, shoemaker. He had been a wearant and a, of Liverpoot, shoemaker. He had been a wearant in the lines Anne, and a soldier in that of George L—B., 186.

of the first cities in the Old World. He saw regular streets where h once pursued a hare; churches rising upon morasses where he he often heard the croaking of frogs; wharves and warehouses where I had seen Indian savages draw fish from the river for daily subsistence ships of every size and use in those streams where he had often see nothing but Indian cances; a stately edifice, filled with legislaton astonishing the world with their wisdom and virtue, on the same spo probably, where he had beheld an Indian council-fire.

"He saw the first treaty ratified between the newly-confident powers of America and the ancient monarchy of France, with all the formality of parchment and seals, where he had seen William Fear ratify his first and last treaty with the Indians without the formalities of pen, ink, or paper. He beheld all the intermediate stages through which a people pass, from the lowest to the highest degree of civiliza-tion—the beginning and end of the empire of Great Britain in Pennsyl vania. He had been the subject of crowned heads, and afterward dis a citizen of the newly-created republic of America. He embraced the liberties and independence of America, and triumphed, in the last year of his life, in the salvation of his country."*

It has been remarked, that most of the persons distinguished for great longevity were short in stature : but one " mentioned who was unusually tall. † It has even accompanied deformity: 1 and, what must be still more unusual, unconmon fatness. Even watery marshes, which in Elv and Esset have been found so unfavourable to the continuance of human life, yet have not prevented the term of a century from being exceeded. The negro constitution is also susceptible of lon-

* Easton, p. 184. This sketch has in it so much of Mr. Burke's m ner, both of style and thought at that time, that, if it be in the " Anna Register" of 1782 or 1783, I should be induced to think he was the author of it. As he was for some years the political agent of the leading me of America when they began their resistance, he may have been in ear respondence with Mr. Drinker.

l'hiladelphia, in 1761, had a couple several years older; but as the died that year, they did not live to see either the revolt or the inde pendence; they were, "Charles Cotteral, one hundred and twesty his wife, one hundred and fifteen. This couple lived together is the marriage state ninety-eight years in great union and harmony, and dis

within four days of each other."-Ib., 56.

† In 1769, "Peter Breman, aged one hundred and four, of Dyer-street St. Giles, was six feet six inches high. He had been a soldier from the

age of eighteen."-Ib., 114.

t Mary Jones, of Wem, in Shropshire, in 1773, was one hundred She was very deformed, and only two feet eight inches in height.-In. 141.

§ In 1786, Charles Blezard, of Newnham, near Oxford Farm, died a one hundred and seven. He was one of the most corpulent men in the county .- Ib., 205.

II In 1796, Susan Mills died, aged one hundred and two. She residen in the Ship-meadow Lockhouse, on the Bungay particular. Her best gevity, rivaling in duration the whites.* Gipsy life, as before mentioned, with all its exposures and frequent misery, equally admits of it, and even amid its infirmities. †

The persons of other nations besides our own, who have been mentioned for their longevity, show that no regions of the world or state of society are incompatible with it. The South American Indians, the Caraccas, Brazil, Egypt, Tyrol, Turkey, Norway, Spain, Denmark, and Poland, furnish instances of it, which indicate that its causes reside not in soil. or atmosphere, or manners, but in the individual frame. and in the personal application of the blessing by Him from whom all life has originated, and by whom it is constantly regulated in every member of human societies. We may therefore conclude that this great longevity is one of the established laws of human life, although limited as yet to a ratio of indi-

bend was manager on the locks. Her residence was mostly surrounded by floods throughout the winter.—Easton, p. 268.

* At Eingston, in Jamaica, in 1796, Samuel Pinnock, a negro man, at see hundred and twenty-five. Till within the last two years his faculties were perfectly sound and his memory remarkably retentive. He had a perfect recollection of the earthquake which, in 1692, nearly destroyed Port Royal. He was on board a ship lying near Fort Augusta when it took place, and has frequently related the catastrophe with a minuteness of detail which no one but an eyewitness could have given.—Ib. 376. In 1798, Elizabeth Brown, a negro woman, died at Port Royal at one hundred and twenty-four years old.—Ib., 286. And another is Spanish Town of one hundred and aix; another of St. Jago de la Vega, a free negro woman, aged one hundred and twenty-one.—Ib., 287. I Thus, in 1740, died Margaret Finch, at one hundred and in. "She was one of the wandering fraternity of gipsies, of whom she was called

was one of the wandering fraternity of gipsies, of whom she was called queen. Her manner of life was the same as is usual with those people.
The manual its close she took up her residence at Norwood."—Ib., 23. In
TYPO Anne Day died at one hundred and eight. "She was a well-known gipsy. Being almost double, she travelled the country on an ass, attanded by two or three of her fraternity, and was well known in most parts. She had not slept in a bed for seventy years; and for the last forty years had not a tooth in her head; nor sight, but in one eye; about twelve years before, she lost three of her toes by the frost and the use of one of her arms. She died under a bedge near Henlow, in Bedford-chire, and was buried at Arsley. The two of her people who attended her funeral called themselves her son and daughter : he was eighty two,

and she eighty-five. They had each great grandchildren.—Ib., 298.
Another instance of gipey longevity has just occurred. "Andrew Boswell, the King of the Gipsies, died on Monday afternoon, 30th of January, 1837, at the advanced age of ninety-nine. He was possessed of an ass nearly as old as himself, a camp, and a fiddle, and left one grandson, and twelve sons and daughters. His remains were interred the tribe, with all the due honours, in Lancham churchyard .- Not-

tingham Journal, Feb., 1837.

vidual enjoyment of it, which is sufficient to excite the de of attaining it, and to testify to us its possibility, but w has not hitherto been made a general acquisition.*

* From Mr. Easton's collection from the obituaries he met with. lect the following instances of foreigners of great longevity :-

"1788. Jean Cayaton, aged one hundred and thirty, an Indian of sentia, in New Spain, p. 221.

"1782. Captain Cospedes, of the Caracess, one hundred and ten y He belonged to the militia of Pardo, and was esteemed a prodigy in climate, p. 225.

" 1775. Andrew Vidal, of Siara, in Brazil, one hundred and tw four. He had thirty sons and five daughters. In 1773 he lived i same house with his children and grandchildren, of whom the m

amounted to 149, p. 150.

4 1772. Died, aged one hundred and twenty-eight. Abraham Shot at Ropen. He was a native of Alexandria, in Egypt. p. 130.

"1778. Jean Aragus, at one hundred and twenty-three, of Lastr

Turkey, a caravan driver, p. 158.

"1765, Edglebert Hoff, at one hundred and twenty-eight, of Hill, New-York. He was born in Norway, and could remember th was a lad driving a team there when the news was brought that Charles I. was beheaded. He had served as a soldier under the I

of Orange, in the time of James II., p. 85.
"1743. Peter Mestanca, of the village of Veniel, in the kings. Murcia, at one hundred and thirty. He was a bachelor, never t wine, worked hard, and bathed every morning in the river Segura, the beginning of spring until it froze again. His teeth were a and he was never attacked by any acute distemper, p. 26.

"1771. Christia Jacobsen Drackenberg, one hundred and fort

of Aarhus, in Denmark, a celebrated and well-known character, p
"1786. M. Oztroki, of Zodorsky, in Poland, one hundred and tw
five. He attended as page on John Sobieski when he relieved VI
besieged by the Turks in 1683," p. 208.

To these I will add—" 1790. John Lovah, the celebrated patriss

Mount Jura, aged one hundred and twenty-eight. He was sent, in as a deputy to the National Assembly at Paris, to return thanks, name of his countrymen, for the abolition of the feudal system. bundred and twenty-seven he was led into the hall by his daughts seated opposite the president. On his entrance, all the members up in respect to his old age, and received him standing, and desire to sit covered. A subscription was immediately made for his sa and the king granted him a pension. He was buried the next y his district with a public solemnity," p. 236,

LETTER XXIV.

y made a Natural Property of Human Nature. At present ing in Frequency. Not allended naturally with Decay of Faculnation on of the Kifficinesy. Distinguished Men among the do who were Aged.

" DEAR NOR,

re entitled, by the preceding facts, to believe that lonsome of the natural qualities of the human body, in its composition, during that association of our mind with constitutes our human life The mind stant being while by our present death, would subsist for a thouare, or for an endless succession of time, if its hadily strong had been framed to last go long. Not merely v. but percetuity of existence, is one of the concutral en of the human woul. No power but its Maker's, and but the exertion of his omminotence, can extinguish but the residence which has been assumed to it on this meant to be only for a time, and its body has been ed as to be either a long or brief companion to it, on of the woul with it here is of the same temporary The chronology of this union, and of the durathe holdy compound, is therefore concurrent, and baallereds with both at the same periods. Buth comand death terminates it But the soul is no servant ; to this its origin apportained, but, once brought ng, it belongs to time no longer. It was created to be er and an inheritor of elemity; and, with this relation, through its journey bere, and afterward passes classwith the wante male public, undying property. Hence ent of longe vity in this world in but a diametic acction exchanting bistory and activity. We are all actors our present homen houses, during the section through we man; but, like all those who personate the parts to there in our travedum or comedien, we have the nd and a nee before whom we have been appearing for impleyments, for another home, and for a different know ances, or the contrary, in some other place of the abode, as may be allotted to us. Our longevity, therefore, here, is a question only of our bodily incorporation and earth residence, not of the existence of our intellectual principal itself; that still lives in undiminished vitality, although the body had dissolved and evaporated into the million particles

of which it was compounded.*

But, although endless longevity is the created property of the soul, and its duration on earth between one and two conturies is a natural possibility to its bodily frame and to its union with this, yet, like some other properties and possibilties of our human life and corporeal composition. it is but rarely brought into operation during our present existence. It is neither made nor meant to be, at present, a general law, whatever it may be intended to become in some series of our posterity. We have several bodily properties which do but partially evolve and show themselves. Gigantic stature is one of these possibilities. We read of giants in Scripture : I have seen two myself, t and some are mentioned by Dr. Adam Clarks, with whom he was acquainted. They occur at all times occasionally among us ; o but it is not the will of Providence that they should be frequent, and therefore the powers and fasttions of the body which lead to procerity are so repressed said governed by other instrumentalities, that the larger quantity of mankind are only of the middle size; a proportion only

† One was between seven and eight feet, the other between eight

6 Thus, the following notice was in the "Giamorgan Gazette" of Oct.

1, 1896—"A native of the village of La Reid, in Belgium, who was drawning in the army of the Netherlands in 1898, is now at Parma, and her

grown to the height of eight feet four inches."

^{*} You may like to read the celebrated Dr. Franklin's feeling as to be * You may like to read the celebrated Dr. Franklin's feeling as to he body and soul. In 1756 he wrote, on the death of his father, to a thin—"We have lost a most dear and valuable relation; but it is the will of God and nature that these mortal bodies be laid saide when the seal to enter into real life. This is rather an embryo state—a preparation hilving. A man is not completely born until he is dead. Why, thus should be grieve that a new child is born among the immortale—a new member added to their happy society? We has striken. That helds should be lent us while they can afford us pleasure, assist us in acquiring knowledge, or in doing good to our fellow-creatures, is a kind subsenvolent act of God. When they become unfit for these purposes, it is equally kind that a way is provided by which we may get rid of them Death is that way."—Dr. Franklin's Private Works, vol. ii., p. 4. † One was between seven and eight feet, the other between eight as

[‡] Dr. Adam Clarke, in his life of himself, states that he knew two brothers named Knight, near his father's house in Ireland, of great strength and each seven and a half feet high; and also one, Charles Burns, who measured eight feet six inches, and was well proportioned.

d the gigantic stature in others is not in a greater ratio or great lengewity of the human frame which we are not implating.

ly strength's also another quality which some persons peaced in an extraordinary degree, and which is there ways a possibility in human nature on earth? But a been also imported with such rarity, that it is not consorn than the ownal propertions above mentioned the manual power of reproductions above the manual power of reproductions as to seem or the manual power of the peace of the earth of the control of

But it is not more so than great longevity, gigantic side, and extraordinary strength. It is only a demonstrate the the latent natural possibility exists, but is always erned as to be, in its general course, kept in the hamour of a single both, with twins at times, in no large sent. Plutare i through the had mentioned the largest

s of the family of Adam, who, on Christian's mutiny, had setted re's latend, sequend there such muscular power, that such carses true, excitod intermentates, a kedge anchor, was sledge, and an armorer's and, antenning to shore any hundred from of them carried a hose transity eight feet long. Beechay's [1, p. 125. At the irrowwisks at Methyr Tydvil, a young man 1802, rawed up from the ground at once trons pieces of irror favor hundred and feety pointed. Mortin Methy, fine, 1802, a wager theree to feraveaud and teck, up to Richmond and hanny interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface to feraveaud and teck, up to Richmond and shong interface the supplies of the Richmond and the feraveaud and teck and a half. Public and the feraveaud and teck, and a finite feraveaud and teck, up to Richmond and the feraveaud and teck, and a finite feraveaud and teck, and a finite feraveaud and teck, up to Richmond and the feraveaud and teck and t

envised fact mentioned by the diver amplifyed in 1922 at Yargar by the treasure of the forestory, lately such them, that after were he find his attribute or increased that he san after the ends of the large into crowner, three and a half fast two increes and a half in size, which he takes with him." Pub-1, 34th August, 1932.

From the periodical, in July, 1836, was this paragraph. "At Riomagnes in the Cautal, there is a man aged twenty nine of Hermomyth. But can raise a burden weighing 1991, but, and with Bugar of the right hand can thrup two hundred lies. He has a god twenty, here and a mater of thenly five, of noarly equal. They are attract that the manage of the right hand an oregated in

In 1784, Philip Wess, a middler at Admorp, ded aged one of the four. It was we strong that, at seventy three years of age, a post of teer this e cert without the least treath on Rasses.

i boon calculated that twing court at an aretagn about spec in ty betthe.

extent of offspring from one parturition when he stated five a be the boundary.* In modern times, however, one instance occurred in which a mother lay-in with eight.† All the facts concur to show that the course and agencies of human life are under a strict and adjusted regulation by the Cresses which constantly modifies the natural power and possibiliting into that well-graduated operation which suits his appoints scheme of human existence on earth, in its present stage and generations. Longevity is thus governed, allowed, and appears only in minor proportions, but with sact universality as to place, climate, and person, as to show that it is possible to all, though as yet granted but to very few.

One of the reasons for which these extraordinary operation of the laws and systems of our nature are sometimes allows to occur, may be, to give thereby an impressive testimony has carefully governed all the functions of our body are, that the may execute with accuracy the plan of our intended life, carry it on steadily in its appointed course. They show has needed a strong and watchful regulation is of the laws that per duce our life and growth, and their results; for, without this constant government and adaptation of them, the pretermetre phenomena, from the unruled powers and properties of on body, would be so frequent as to confuse and disorder; and t make that confidence in the regular recurrence and sequence of things impossible on which our foresight, and prudents and even scientific calculations are founded. Hence, thou in our limbs extraordinary additions may occur, if the great ing powers of the organized vessels in the hands and for were unrestrained, they are always so governed, by means (which we are ignorant, that their possibilities of increase at kept in perpetual restriction, and only five fingers and five tot become the universal formation. More than these are but very rare anomaly; though, from occurring in some instance

^{*} Plutarch, in the second of his Roman questions, inquiring why the lighted five torches at a wedding, gives as one reason of it that light a symbol of life, and that a woman may bear at the most five children at one parturition.

[†] An authenticated case occurred in Lancashire of four at a birth. D Garthshore has added to the account of this, in the "Philosophical Tras actions," several examples of numerous births recorded by made authors. One of them was an instance of eight children born as a lying-in. Of these one grow up to manhood, and was alive what a statement was written of it.—Phil. Trans., 1761, vol. 12274., p. 186.

consibility at all times, and the agency which limits it, a manifested to our senses.* All these unusual incire therefore speaking evidence to us that the laws and so of life must be daily controlled and governed by the administration of an intelligent power, acting upon a ste and well-adjusted plan, by which the operation of aw is confined to produce that specific effect which is system and intended results of all the rest, and pre
2 from every other degree or direction of action that accasion different consequences to occur.

whenever an increase of the action or result of any nature will be beneficial to mankind, and the period when it is intended that they shall have this advantage. restriction which before prevented the augmented so is relaxed, and mature is permitted to exert her propand powers to that larger result by which a further ads will accrue to the human race. I consider longevity me of the Divine blessings to man which is at present sing a permitted enlargement of this kind. Human ses to have received a fiat, both for its greater duration ubrity, ever since the present century began. In our nutry it has been perceived that the length of life in classes is increasing, and the extreme periods of its ty may be expected to partake of the general prolonga-On the natural grounds this would be a rational inferut the improvement is an industion to us that an augbenefaction in these respects has descended from the If the life of this human world has re-· On Hunnkurd in morease, it is by him that the benediction has been id, as he alone has the power; and all life substate his will and according to his plan-I do not mean to the longevity of mankind is extending in its duration, is multiplying in its individual frequency: and this o all so much hope and prospect of partaking of the go, as to encourage those who value it to endeavour, ne use of serviceshie means, to be themselves the pos-For this reason I will take a larger view of the

s, in 1766, (twen Carolian of Dulsels, in the county of Meath, in hundred and twenty-seven years old. He had at diagree on d, and at twee on each foot.—Easten, p. 79. It has been which is a family in Awaria in which this number of Sugara and was appearance for several appearance.

Sacts and reasonings which occur on this interesting it was not easy to collect, formerly, a great number of those who had reached a century of they have become so numerous in the last fifty yes we have seen, no fewer than 129 were existing control of each other in England and Wales in 1821, and number of 508 were in America in 1830. So we they have become so many in our island in the this between 1818 and 1831, that, during this interval than 1900 individuals died who had reached a passed beyond it.*

When we compare these facts with the notices tiquity has left us on this subject, there seems full believe that the longevity of human nature has been frequent and diffused in the present century than it to be in the Greek and Roman times by the inqu of those days. The few facts of this sort known were alluded to in the preceding letter; and Luci he enumerated in his treatise of the Macrobii or I apparently all the instances he had found or hea among these names numerous persons who were ninety, and a little more, he yet only mentions abo as having reached a hundred years or above. cumstances lead me to infer that the longevity wh or exceeds a hundred years has not, as far as we from true and authenticated accounts, at any tim frequent in the world as it now is in the civilized Europe and America. But as it could not have thus without the permission and causation of its Divi we may assume that it is his purpose to diffuse the more extensively to his human race, in the present world, than he has hitherto imparted it; and that I

^{*} They were 637 males and 1263 females; but of them die before their one hundred and second year, and in the ting years 572 more expired; so that only 91 males and 172 303 of both, had survived their one hundred and fourth year

[†] These were, the King of the Tartessians, who Anac. skty-eighth ode, says lived to one hundred and fifty, thougi allows him only one hundred and twenty years; the great hundred; a King of Arabia, one hundred and fifteen, as men contemporary; a musician, of one hundred and five; Delay Abders, one hundred and four; Gorgies the sophist, one height; Ctesibus the historian, one hundred and twenty-four mus, also such a writer, one hundred and four; Goles, and the Seven Rages, one hundred.—Lucian's Macrobia.

w experience a prolongation in all its stages, if, by a e of the enlarged blessing, mankind will show that a receive and enjoy it with gratitude to the Giver. stual philanthropy, with personal piety and morality, a intellectual improvement. For we can hardly err puose these to be conditions requisite on our part, as. them, increase of longevity might become very noxreneral society. All may not choose to adorn their increase their happiness by these virtues, because I not practise the self-government which these qualisire; but, then, we must remember that lengthened ways an individual blessing, and each individual can pint act for himself and independently of others, and k it by his individual improvement. Such conduct his surest means of obtaining it for himself, without g whether any others undervalue it, or will use no ace to obtain it.

nless longevity be a state of coinfort to its possessor, ot be an advantageous gift to him. The important, if it be extending to a greater number, will always her it be desirable as well as attainable.

been a favourite theory with many, that the mind with age, and consequently must become feebler as lyance, until it expires with its body, like a wasted But this is an erroncous hypothesis, grounded on a iew of some facts, which are more justly attributable se than to age, and is contradicted by numerous hich show, that though age cufeebles the body, it t necessarily debilitate the mind. There are even s in which the intellect has increased instead of bomed as life has been prolonged. Lord Clarendon a nobleman of whom this was remarked: and instances, which I have noted as they occurred, that extreme longevity has been repeatedly emoved bodily disability. Let us refer to some of those who d long without corporeal debilitation.

was the Earl of Manchester, Lord Privy Seal to Charles I. Of modes asys." He was a man of great industry and asgacity in which he delighted in exceedingly, and preserved so great a mind, even to his death, when he was very near eighty years at some who had known him in his younger years and ballave we much quicker parts in his age than before."—Lord Clar.

יני ע. ג ווג—U

Thus, one person died at one hundred and five, without any incapaci ating debility; * another, though in the humblest and poorest walk of life, was yet, at the same age, in active efficiency.† At one hundred and two, the same bodily shility appeared in a French woman : t and also, to a considerable degree in Wales, at the age of one hundred and six & In another instance the memory had decayed, while the health and strength were continuing, at one hundred and three. | Another, who died at one hundred and four. named her walking business within four years of her demise : I and one individual at one hundred performed labour, which implied good muscular sctivity.**

Several other instances also exhibit the full use of the mental faculties in this protracted life. At one hundred and twelve, no loss of mental power was sustained; †† and at one hundred and nine, an individual in Herefordshire was entry

* "In April, 1836, died at South Shields, Mary M'Kie, aged one bu dred and five, retaining her mental and bodily faculties to the last.— Gent. Mag., 1836, p. 443. † "In Row., 1834, died at Bungay, aged one hundred and five, Asse.

Chaulker, matchseller and Christmas carol-singer. She enjoyed exsellent health until within two days of her death; and the day previous is it she lifted and carried half a bushel of coal home from the stack."

Gent. Mag., 1833, p. 109.

‡ "A female, aged one hundred and two, died recently at Bailley, in Riviere. She would, in all probability, have attained a much greater age, but for the accident of falling into the fire, by which abe lest her life, since, after she had completed her century, she had sufficient arreads and activity to climb over a wall seven feet high to recover a key she had dropped."-Morn. Herald, 2d Dec., 1833.

5 " There is at present residing at Pontymisser, in the parish of Machen, Monmouthshire, Ann Samuel, of the age of one hundred and six years. She is able to walk with tolerable facility.—Standard, 19th Oct, 1833.

"In the Vale of Carrizell, near Alston, are now living an old mea and his wife named Martin. Both of them are one hundred and three years. They have lived together nearly eighty years in the married state, and both enjoy good health, and can walk about with ease, but their memory is much impaired. They have reared a large family of men and women."—Carlinie Journal, March, 1834.

T "Bath. Died lately at the Temple Gate Almehouse, in her one hundred and fourth year, Sarah Sileox. When in her one hundred year she sold cakes about the streets."—Gent. Mag. 1834, p. 453.

** "At Willoughby, in Nottinghamshire, Thomas Clarke diest week in the one hundredth year of his age. In July last he mowed twenty acres of thisties. He survived all those who had been living in his parish when he was an apprentice."—Stand., 20th Nov., 1835.

ff "Died at Cork, in his one hundred and twelfth year, Mr. Robert Pyna, in the full possession of all his faculties."-Metropol., 1832, p. 32.

rith all his manly ability and even gratifications.*

• advanced period of one hundred and fourteen discriby Irishman in good bodily and mental sufficiency ired. † Such instances are a species of evidence that soon to be desired and sought for, and not to be by declaimed against. In the Scriptures, we find it represented as a blessing from the Almighty.† He er it through natural means, by leading particular discover what will lessen disease or more frequently. The perception of the benefits of inoculation was a m of this kind granted to the last century; as vacquems to be in our own days. §

Wednesday last, 21st Aug., 1822, died at Little Birch, Thomas:
the one hundred and aimth year of his age. He never, till
last fortnight, had any severe illness, and he had the use of
tal faculties to the last moment. He reaped his own wheat
aid about two years previous he was seen hunting on horsemigying the sports of the chase with as much guste as any
in the field. His breakfast was usually toest and cider, of
suage he drank freely till his decess."—Herebott Times, Au-

ist Dromarime, in the parish of Denoughmore, at the age of and fourteen years, Lawrence Cronny. He lived servant sty years in Mr. Innee's family, having survived to see the of the Gles seates, now eleven months old. He was a trustant man. He attended Divise service every Sunday. At a and thirteen he walked on foot to chapel with great framean, is his recollection to the last moment. —Mark-lane Express, 1838.

1838.

sen, forget not my law; length of days, and long life, and peace I they add unto thee.

py is the man that findeth wisdom; th of days is in her right hand; sr left hand, riches and honour.

is a tree of life

bem that lay hold upon her."—Prov., c. iii., v. 1, 2, 13, 16, 18. ne thy days shall be multiplied,

the years of thy life shall be increased."-Ib., c. iz., v. 11.

fear of the Lord prolongeth days, the years of the wicked shall be shortened."—Ib., c. x., v. 27. Sir James Mackintosh was at Paris in 1814, he met one day Humboldt, La Place, Blot, and Poleson, a young man, the metry in France." He adds, "La Place said that the Vacnit supplants the smallpor, will add three years to the ration of human life, which is at present twenty-neven years, hen be thirty."—Life of Sir J. Hackinstoch, vol. ii., p. 281. I cometimes falls in its expected benefit; but M. Camilie

Some other examples also indicate that longevity to this extent may also be enjoyed without the loss of the MENTAL faculties. Four instances of persons of different characters and conditions of life, at the several ages of eighty-seven. ninety-six, one hundred, and one hundred and one, are now before me. In the first, we have the mental powers continuing as they were, though accompanied by a dislike or insutitude for muscular motion.* In the second, life was continuing unexhausted in its full energies in all respects, and even with the two senses that so often decay in their organizations, while the mind is perfect in all its intellectualities—the sight and hearing-in complete freshness and utility. † On this point I may suggest, that it is a remarkable confirmation of the immortality of the soul that it has been frequently remarked. that, as one of these organs becomes inefficient, the mind is more acutely sensitive and active in the other.

The same perfect enjoyment of his vital faculties accompanied the individual who died as he completed his century.: The same undecaying spirit and advantages appeared in the

Bernard, in Nov., 1836, communicated to the French Academy of Sciences that he found it had taken effect in the leg when other limbs and parts had been inoculated in vair.

and parts had been inoculated in vain.

* "Last week died J. Coverdale, at Hawsker, near Whitby, aged eighty-seven. For the last fourteen years he had constantly lain is bed, not from weakness or infirmity, but by choice. He was fond of reading, and amused himself with books and newspapers. He was frequently visited by his neighbours and by strangers. He was of a cheerful, conversible disposition, and pleased with company."—Hull Advert., July, 1832.

1832.

1 "Tunbridge, 2d Feb., 1835. There is now in this place a gentleman in his ninety-sixth year, in the full enjoyment of his physical and mental faculties. He frequently walks to Tieshurst in Sussex, a distance of about 16 miles, without complaining of the least fatigue. He often takes a walk to Southborough and back, a distance of six miles, before breakfast. His hearing is remarkably good. A considerable portion of his time is devoted to reading, which he does without glasses."—Mark-isse Express. 16th Feb., 1835.

Express, 16th Feb., 1835.

1 Died, in his hundredth year, at Creech Grange, Dorset, Thomas Abbot, farmer. This worthy old man was not confined above two days to his bed. He had his eyesight most excellent. His mental faculties were good, and he walked about the house without any aid till withless hours of his death. He had resided on the same farm nearly 70 years. During the whole of that very long period, one undeviating line of conduct seems to have actuated his mind, that of the strictest honour sad uprightness. He has left five children, being respectively sixty-two, sixty-four, sixty-eight, seventy, and seventy-two."—Dorset Commy Caron, March, 1836.

so was passing beyond his duration.* Facts like the lectures and lessons of Providence to us on this point. They silently concur to unveil to us the unare of that living principle which we know and ade human understanding. The impartial thinker can template them without this impression arising within sy are, at least, the best evidence which our Creator as in the phenomena of this life, that the soul is unby bodily age or decay, and that death only separessential vitality from its material frame when it actuate its nervous organizations.

ge or mental decay had been the natural or necesmpaniment or consequence of extended age, the antheir busy practical republics and national competicollisions, would have largely experienced such reut, instead of finding feebleness or debility the comage, they had repeated testimonies of the contrary I have recorded these in their writings which have in to us. Plutarch was of such a different opinion, imposed a treatise to show that the aged were not to manage public affairs, but ought to govern the ealth; and that the state or city would always be sperous where they commanded, and, when under tion, the younger exerted their activities. He mene instances of their efficiency.

eatise of Lucian is curious on this subject for its on of distinguished persons in antiquity who had

botse of the Hill parish, Penningham, near Ayrahire, tieses irn, who, in the hundred and first year of her age, possessibles entire. She can read her Bible without the use of specr hearing is most acute, and her memory tenacious in a high few Farmers Journal, 4th Dec., 1833.

augharne, in Carmarthenshire, in January, 1836, died David one hundred. He could read his bills without glasses to the it. Mag., 1835, p. 110.

s mentions, from Polybius of Massanians, who died at ninety, in son but four years old at his death; and a short time be-si, defeated the Carthaginians in a pitched battle. Phoelon ive in his old age, and when the Athenians, on a seadest levy, who were not sixty to arm and follow him, which displeased sked them what they had to complain of in the call, when he be their leader went out to the campaign at the age of eighty-also Simonides, who, at the same age, won the public prise ing songs and setting them to music; and Paulus, an asses, easy seted in eight tragedise within four days.

lived from eighty to one hundred. As it may both amuse and instruct you to be made acquainted with them, I will class them under a few heads.

The first may be the celebrated kings and generals, of whom he notices several.

The second shall be Greek philosophers, who were at the head of their different schools, and were famous in their day.†

The next will comprise historians, poets, and other writers.‡ These last two series show that the most intellectual men of Greece were remarkably long lived, and lead us to infer that there is naturally, and, where disease does not prevent it, a more natural connexion between active mind and longerity than is generally supposed.

But as all these were under a hundred years, my next letter shall take a view of those above a hundred in the last two centuries, whose ages and condition Mr. Easton collected from the notice of them in the periodical obituaries that have been

* As—Numa, eighty; Servius Tullius, eighty; Tarquin the Prond died in his exile at Cuma at ninety; Hiere, of Sielly, ninety-two; Agathocles, ninety-five; the Scythian Ateas, at ninety, fell in battle against Philip; Teres, king of the Odrysseans, in Thrace, at ninety; Antigonus died of wounds in battle at eighty-one; another Antigonus at eighty; Lysimachus fell in his eighty-fifth year; Antipoter died at eighty; Lysimachus fell in his eighty-fifth year; Antipoter died at eighty; Ptolemy Lagus, in Egypt, at eighty-one; the regal founder of Perguna, eighty; Mithridates, warring against Rome to his last hour, at eighty-four; Attalus, eighty-two; the Cappadocian king Arcarthas fell in bette at eighty-two; Artaxerxes Mnemon of Persia, eighty-six; or, as Die said, ninety-four; Artaxerxes Ochus, ninety-two; Parhiain hings, & eighty-seven and ninety-six; Arabazus made king at eighty-six; Tarwa, ninety-two; and a king of the Bosphorus, vigorous in body at ninety—Lucian, Macrob.

† The philosophers whom Lucian notices are—Zeno, ninety-eight; Cleanthes, ninety-nine; Xenophanes, ninety-one; Zenocrates, eighty-four; Carneades, eighty-five; Chrysippus, eighty-one; Plato, eighty-one; Critolaus, eighty-two; Diogenes the Stoic, eighty-eight; Positionius, eighty-four; Athenodorus, eighty-two; Nestor, tutor to Tiberiss, ninety-two.

Xenophon, above ninety; Pherecydes, eighty-five; Helianieu, eighty-five; Timeus, ninety-six; Aristobulus, ninety-he began to write at eighty-five; Polybius died from a fall; Hypeicrates, ainstytwo; Anacroon, eighty-five; Stesichorus, eighty-five; Isocrates wree his celebrated panegyric at ninety-six, and killed himself on hearing of the defeat of his Athenian countrymen at Cheronea at one hundred; Eratosthenes, eighty-two; Apollodorus, eighty-two; Sophocies was choked at ninety-five, and a few years before had composed his Chipma Coloneus: Cratinus, the comic poet, ninety-seven—he wrote a popular comedy a little before his death; Philemon, a comic writer, ninety-seven; Epiclatring, a comic writer, ninety-seven.; Excian, Macrob.

and who are marked as being efficient in their aculties at this protracted age. All such instances show that the intellectual principle within us is a active reality, of a different nature from its decli-

LETTER XXV.

tances, showing that Longevity has been and must be a 's and efficient State.—Facts as to the Diet which Longse used.—Cornaro's Experience.—Observations on our own obtaining it.

BAR SON,

seeding instances of longevity prove that both the body have been efficient in human nature to its es in our terrestrial life; but as the effect, or is impression, of such evidence depends upon its seeins to me to be useful to adduce further in order, by their number, to establish the conviciency are not the casual things which we regard as able accidents, which are not in the course of arise from settled causes; but that they are the intended operations of the laws of nature which our being on this earth. For the true opinion as to be, that as duration without end, until spe-

separate and distinct nature of the mind, Lord Brougham me very intelligent and forcible reasoning, in his discourse heology. I fully coincide with him in the following rebe evidence for the existence of mind is to the full as that upon which we believe in the existence of mater. Insere certain and more irrefragable. The consciousness of a perpetual sense that we are thinking, and that we are perpention quite independently of all material objects, proves sience of a being different from our bodies, with a degree of her than we can have for the existence of those bedies thesely other part of the material world."

s application of the mental and moral phenomena as proof of s of the Deity an important addition to our natural theologysreats of society induce us to welcome all such contributions as subjects from intelligent men who have taken any lead in

ire.

cially annihilated, is the essential property of the living and within us, so longevity is the natural property of the body it is invested with here; and earlier death is the product of diseasing and deranging causes, extrinsic to its material constitution, and therefore subject to the modifying and healing power of human skill and knowledge, under the permission of the all-governing Creator and Preserver. Unless we believe this truth, we shall take no pains to acquire the benefit: but in proportion as we accustom ourselves to think that the lengthening of our life is greatly within our own power, and may be also made and will become a desirable enjoyment as long as it can be continued, we shall so much more value our present life, and be solicitous to find out and practise what will most prolong it. But to do this will be increasing the stream and sum of human happiness both to ourselves and others: for no one can be happier without others benefiting from it; and no one can secure and increase either his own felicity or his longevity in his present life, but by the practice of those moral means and virtues which are always wise and advantageous, and which, like light and heat, cannot exist without diffusing themselves around, pervading and benefiting whatever they come in contact with.

Extreme longevity is of itself a very curious subject, if # were regarded only as a theme of our intellectual contemplation and inquiry, as to the causes from which it originates in the favoured individual. It is a pity that intelligent men in their neighbourhood have not made such persons, and their preceding life and habits, more the object of their investigating attention: for then science might have had some clucidating facts on which it could have soundly reasoned. The subject is also of great moment to us, from its connexion with many questions as to the nature and qualities of our living and thinking principle, and as to the relations with its corporeal functions and organizations, and essential independence of them, even while it is affected by them. On all these accounts I will devote another letter to the consideration of other examples of great longevity, which various obituaries have enabled others to collect, and will arrange them under such heads as will most satisfactorily illustrate the inference to which they will lead us. You will then have all the laws and principles of the plan and economy which have been settled and carried into execution by our Creator as to our earthly emayely before you as I am able to place them; I desire to make them sufficiently conjour, it shall to to be no brief no terentile "

disknown Cornero lived to one hundred, and deth animation his own efficiency when he wrote before. It is a cheature to read his expressions of feelings, even in the phrases of his self-satisfaction, seen and such affunious show us that human existbarroy ature of being, and that its prolongation is mery which no many writers represent it to be. It steamily described by some with mournful and diselamation, in order to create that dialike of it which some as a relief, to think more of our succeeding

sy begin by mentioning those of one handred and above m are in the obstuary of a single month in the Centilement's or January, 1437.

stockenny, in Donegal, Elemon, reliet of Mr. Charlos Galla : extraordinary age of one hundred and nine years. Only me also maye berth at once to three children, two of Whom are

, at ()Id Derley, near Haverfordwood, agod one hundred and bette Page. Blie retnimed ber funtilien to the last at Hatfinid Weneltunger, in her hundredth year, Mru. Batty ming all her faculties nearly to the last.

Inc. 4 At Thurse, in her ninety eighth year, Mrs. Anna hater On that day month proceeding her stater, Mrs. Mary ber hundredth veur.

the least ladies could read and new without the aid of spaciameaned all their faculties to the last, and would amuse their is a narration of the interable incidents of the great fire at minety years ago. A few mention since, Mrs Fidd, a stater, den, aged minety two, and about twelve years ago, Mr. L.

albail, to Comberland, Ruchael Wilkinson, aged one hundred Barelt of parents when young, and aupported insuelf by fruindustry, and never applied for parential relief."

i month contains notices of four other individuals between the hundred, and eighteen others hetween eighty and ninety new minety five years of age, and find myself as healthful pry ma if I were but I wonty five years old I reliab all I ant, y, and none of my senses bit me. I have still a lively famey, smary, a senind judgment, a strong heart. My vises be tourn ever, so that I can chant forth my office severy morning trains. I could in my youth. ** Commo on Long Life, p. 101, 108. so know here at nighty, maintening that he could ofther ride or at very well, and compound a commity which came off with In I her may that he died at fadus, calmly and without any

is hundred years old.

destination. But, however well meant, this melancholy painting is both a mistake and an untruth, and, being so, has occasioned greater injury than benefit. It has driven far more into morose dissatisfaction with their Creator than it has excited to prefer and pursue the celestial promises and promects. It is the due appreciation of him here which will make us more desirous of being under his care and in his kingdom hereafter; and the more we feel the happiness of this life, and regard # as derived and given to us by him for our enjoyment the more assured we shall be that the same principle and the same effect, with unbounded longevity, will shape and govern our future condition still more advantageously. Indeed, exerence has proved that the same paths and conduct which will cause us to be most happy here will be most operative to ensure our felicity hereafter. Faith, trust, hope, resignation, adoration, obedience, benevolence, activity, moderation, and self-government are the most effective means for making every season of this life most prolific of daily comfort to us and will equally prepare us for the elysium that is offered to us in the realms that lie beyond our earthly graves. Thus, the virtues and conduct that will act most efficaciously on our future allotment will do most good to us, both in our body and in our mind, in our present condition; will most avert or extenuate disease; will most produce good spirits and good temper, and most promote our social sympathies and our intellectual inprovement. Let us, then, study to be happy, on these principles, in this life, and we shall find them the sure wings of conveyance to all that will be happier in the next; and let learn, from the facts which the long-living present to us, that long life may be always a blessing to us; and if it has been so to others without any peculiar care, how much more cartainly may we make it such by those habits and qualities whose divine effects will suit and irradiate every region of the universe?

The marriage of individuals is one of the strongest indications they can give us that they are in possession of the powers of active life and comfort, and several persons in their conturial age have given this evidence of their efficiency.*

* "In 1733 died, at one hundred and twelve, William Haseling, of Chelsea College, of which he was the oldest pensioner, mentioned in Let. XXIII., p. 219, note ?. He married and buried two wives after he was one hundred; and the third, who survived him, he married at the age of one hundred and ten. Beakless his pension from the College, he

er testimony of pleasurable longevity appears in those e reached its termination in continued health, and sed their lives without disease. There are many inof this."

at many, of various ages from one hundred and five andred and forty, are noticed to have died in the posof all their faculties, †

ed a crown a week from the Duke of Richmond and Sir Robert —Easton, p. 17.

9 died Donald Cameron, of Kumichiabar, in Scotland, aged one

and thirty. He married at one hundred."—Ib., 53.
16 died Mary Yates, at one hundred and twenty-eight. She
ty and strong one hundred and twenty-eight. band at ninety-two," Her death is recorded on a small board i church, Shropshire.

3, William Eving, of Wednerfield, near Wolverhampton, died nêred and fifteen. He married his fourth and last wife at one and four."—1b, 157. 10 died, at one hundred and fifteen, Henry Grosvenor, of Inch, in

surveyor of the coast. He was an agreeable, cheerful com-ad at the age of one hundred when he married his last wife," leveral other instances of this kind occur.

729, Margaret Patter, a Scotswoman, died in St. Margaret's se, aged one hundred and thirty-seven. "She always enjoyed th till within a few days of her dissolution."—Ib., p. 21. Grace If Bewdley, in Staffordshire, died at one hundred and twelve. a never ill, and therefore never took physic."—D., p. 35. An-man, at one hundred and ten, in 1733. "She was never with illness, and died suddenly."—Ib., p. 37. So others, at one and four, one hundred and six, one hundred and seven, one

and eight, one hundred and twelve, &c.

at one hundred and forty, mentioned before, p. 216. In 1740, a, of Harris's Coffee house, in Fleet-street, died at one hundred "He retained all his faculties to the time of his death, and could d well."—Ib., p. 22. In 1742, James Littlejohn, in Scotland, at red and eighteen. "He had seen Charles I and Oliver Cromrad and eighteen. "He had seen to marks I also convert from notiand, and described them very justly. He retained all his to the time of his decease."—Ib., p. 24. In 1751, a beggar-wo-bablin was one hundred and twenty. "She retained all her to the moment of her decease. In different parts of her bed I found concealed 250% in cash."—Ib., 34. In 1757, William in Rescommon county, one hundred and thirty-eight. "He in koscommon county, one nundred and unity-regint. In the follow his profession of lath-making until within six weeks six, and was remarkable till then for carrying a log of uncomite his place of work."—ID., 45. In 1774, John Tice died at me hundred and twenty-five. He was patronised by Lord Lit-At eighty both his legs were broken by the fall of a tree; and indred, from a fit, he fell into the fire, and could not extriente a person coming accidentally into the room preserved him from hough he was much burnt. In a short time he recovered, and sestomary walks. He retained all the faculties of his mind to of his death. His younger brother died at one hundred and The possession of eyesight, and the ability to read without the aid of glasses, are also striking tests of the perfect organization and of healthful functions continuing in the long-living individuals. This desirable advantage has been frequently noticed.*

The power of walking is a striking proof that the active powers of the body are continuing with the duration of life. I feel this fact very much from my own deficiency in this respect. I find that many could walk in the various ages from one hundred and two to one hundred and thirty-three.

two."—Easton, p. 146. Numerous other instances occur of the full possession of their faculties from one hundred and four to one hundred and swa-

teen years.

"1755, Peter Bryan, one hundred and seventeen, of Tyrone county,
"1755, Peter Bryan, one hundred and seventeen, of a glass."—Ib,
p. 41. 1749, Mr. Hare, one hundred and seventeen, of Stowa. "Be
had been in the service of Lord Cobham's family upward of eighty yesra.
He enjoyed his sight and hearing till a few weeks before his death."—
He and peven, "could see to read to the last."—Ib, 145. 1762, Robert
Ogilvie, one hundred and fifteen, a travelling tinker; "born 6th Nov.,
1647, as appears by the register of Rippon; was married seventy years,
and had twelve sons and thirteen daughters. He had all his senses perfect, and could see to work a short time before his death. His wifs
lived to be one hundred and six years old."—Ib, 67. 1780, Mr. Gernes,
one hundred and twenty-five, of Louth county, Ireland, "could read
very small print to the last."—Ib, 166. 1783, Margaret Melvil, one
hundred and seventeen, of Ketle, Fifeshire. "She renewed several testh
at one hundred years of age; never had an hour's illness, and could see
and hear well till the day before her death."—Ib, 167. Several others is
the same effect have been noticed from one hundred and two to see
hundred and eleven.

1759, Mr. Builer, one hundred and thirty-three, of the Golden Vals, near Kilkenny. "He was related to the family of the Duke of Ormosei; could walk well, and mount his horse with great agility to near the time of his death."—Ib., p. 113. 1767, John Hill, one hundred and thirty of Leadhills, near Edinburgh. "He used great exercise on foot, and walked two miles to a christening a short time before his death."—Ib., 97. 1756, Margery Brider, one hundred and thirteen, of Willy, Shrop-shire. "She danced with the morris-dancers the year before her death."—Ib., 42. 1742, John Phillips, one hundred and seventeen, of Thora, near Leode, Yorkshire. "He lived under eight crowned beads, and was able to walk till within a few days of his death. His teeth were good, and his eyes and hearing tolerable. About the age of twenty-eight, being constable of his parish, he, upon some disorders, committed two of Cliver Cromwell's soldiers to the town stocks; who, far from resenting the wished that every one of his men had but half his courage."—Ib., 23. 1750, Robert M'Nish, Esq., of Greenlock, in Scotland, one hundred and ten "He had, within a year of his decease, mounted his bores and rode a hunning."—Ib., 32. Many others had this bodily efficiency.

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criminated cause; but such as I have met with I will briefly state.

A few instances indicate that longevity has sometimes occurred, without any particular care with respect to food and habits.* But these rather belong to the class of excentions to general rules than to that of models to be imitated; for all ages have found that bodily indulgence tends to shorten human life to the largest numbers.

Temperance and exercise have been remarked as the habits of many who have reached the greater extensions of kngevity. f Moderation and regularity are great preservatives, even without abstemiousness. I As to particular food. some lived much on milk: vegetable diet has been used by

* Thus, in 1752, one died at one hundred and two, in Berks, who had been "a very free liver, but perfectly healthy to his death." Easton, p. M. Another, an Irishman, of Kerry, died at one hundred and eleven, who st the age of eighty-four had married a young fifth wife, and had by her twenty children. "He was always very healthy; no cold affected him; he could not bear the warmth of a shirt at night, but put it under his pillow; yet for the last seventy years, when in company he drank plea-tifully of rum and brandy; and if, in compliance with solicitations, he took claret or punch, he always drank an equal glass of rum and brandy."

—Ib. In 1790 the Rev. Mr. Davies died at Hereford aged one has dred and five. "The last thirty-five years he never used his feet but to go up or down stairs, and to step from room to room. His breaking was hearty, of hot rolls and butter; his dinner was substantial, and of a variety of dishes; at his supper he generally ate roast meet, and always drank moderately of wine. He had neither gout, stone, nor cole, and lived beloved by all who knew him."—1b., 237.

† In 1765, Mr. Dobson, of Hatfield, farmer, one hundred and thirtynine. By much exercise and temperate living he preserved his health. Ninety-one children and grandchildren attended his funeral."—Ib., p. 87. 1763, John Michaelstone, one hundred and twenty-seven, "grandson of Thomas Parr. He lived to this age by extreme temperance and much exercise." -1b., p. 75. 1771, Mrs. Boyce, of Guilford, one hundred and seven. "By temperance she acquired constant health, and retained he senses to the last."—Ib., 121.

In 1756, Ann Maynard, of Finchley, one hundred and twelve. "She lived with moderation, and took much exercise."-Ib., 44. 1765, Janet Anderson, of Newington, Middlesex, one hundred and two. "Her life was regular and moderate. She was remarkably active, and able to perform her work, apinning, to near the time of her death. Her faculties were very strong to the last."—Ib., 61. William Sharptey, one hundred and thirty-eight, mentioned in note †, p. 239, "lived well and regular, but in nowise abstemiously."-Tb., 45.

" Margaret Saker, one hundred and thirty-seven, " for many years subsisted mostly on milk."—Ib., p. 21. 1782, Val. Cateby, of Preson, near Hull, one hundred and sixteen. He had been a sailor 36 years, and afterward a farmer as long. His diet for the last twenty years was milk and biscuit. His intellect was perfect till within two days of his death.

- Others used tea from the native herbs of our coun-Some preferred diluting liquids, that were neither strong mulating.: Even sugar and water has been sufficient ain lengthened life for a short time.
- a. 180. 1792, Anne Froste, of West Rais, in Lincolnshire, one I and eleven. "She was married to her last husband in her hard year. For many years she had lived on milk and tea diet." 30. 1753, Margaret Hunter, of Newcastie, one hundred and four, everage was mostly water or milk."—1b., 38.
- everage was mostly water or fulls."—10., 38.

 I, Judith Banister, of Cowes, one hundred and eight "She lived scuit and apples, with milk and water, the last sixty years of her he was attended to her grave by 80 of her descendants."—1b., p. 85. Elizabe'h Macpherson, of Chithness, one hundred and seven-"Her diet was buttermilk and greens. She retained all her till within three months of her death."—1b., 38. 1783, Anthony of Guipuscon, one hundred and fourteen. "He never had any a. He retained his senses, and had all his teeth and hair to the his death. He ate nothing but bread made of Turkey wheat, and tity abstained from wine and tobacco."—1b., 190. Alexander the, one hundred and twelve, for the last ten years lived entirely stables.—1b. 1780, Joseph Ekins, of Combe, Berks, labourer, one d and three. "He never suffered a work's lilness, and for thy years subsisted entirely on bread, milk, and vegetables."—1b.,
- 8, John Hussey, of Sydenham, Kent, one hundred and sixteen, by a farmer, of Crawford. "His breakfast was balm tea sweetsh honey, and pudding for dinner, above fifty years."—Do, p. 29. Itselfen Pryce, of Glamorgan, one hundred and one. "His organs as as a little injured by the weight of years, that, within three of his death, he directed a village chor, with some variations, for nday. He never used spectacles till within fifteen months of his drien, and possessed a great flow of spirits, attended with sound and activity, the result of his abstemious manner of living. Herbers his breakfast; meet, plainly dressed, his dinner; and, instead pper, he refreshed hinself with smoking a pipe of tobacco. With a reducation, he had a strong natural genius, and wrote a possa "Carmenta", predicting, with great humour, the events of the adration of the Buke of Newcastle."— Ib., 161.
- 58, died Mr. Smith, of Dolver, Montgomeryshire, farmer, one ad and three. "He was never known to drink anything but but h."—Ib., p. 203 1777, Susannah Greenfield, of Potton, Bedfordene hundred and five, a maden lady. "She had for the last forty tired cheldy on flour provisions, and her only drink was wine and "--Ib., p. 214. 1700, James Peters, of Dundee, one hundred and a travelling packman. "Although he often slept in the fields and a, be enjoyed an unniterropted state of good health, and, until the rar of his life. retained his inemory. His strongest beverage was her."—Ib., 229.
- 91, Reberca Joseph, of Malpas, near Nawport, in Monmouthshire, sedred, widow. "Nhe retained all her faculties to the hour of her se, sud, till within three years previous to it, could walk without ap of a stick. She was not known to have a fit of illness from fancy sufficient to confine hay to her bed till within a month of her

The example and advice of the Cardinal de Salis may close this enumeration of the various diet of the long livers.* with the addition of that of the celebrated Cornaro, who found at seventy-eight that a sparing diet was essential to his health and comfort. T By the persuasion of his friends he increased it only a sixth part, and it brought on disease with mortal tendency: I but, resuming his abstemiousness, he was in a joyous and vivacious state at eighty-three.o and so continued until he completed a century. His food was varied and gratifying. || but his spirits and safety depended on its being

death. She lived a very temperate life, though she had kept a little public house for seventy years. Her chief sustenance for the last two

years was brown sugar and cold water."- Easton, p. 244.

* He was Archbishop of Seville, and lived to one hundred and tea. He enjoyed to the last every faculty except strength and hearing. When asked by his friends what regimen he observed, he used to tell them-"By being old when I was young, I find myself young now that I am old. I have led a sober and studious, but not a lazy or sedentary life. My diet was sparing, though delicate: my liquors, the best wines of Xeres and La Mancha: but never at any time exceeded a pint, except in cold weather, when I allowed myself a third more. I rode or walked every day, except in rainy weather, when I exercised for a couple of hours. As to the mind, I endeavoured to preserve it in due temper by & scrupulous obedience to the Divine commands, and by keeping a coscience void of offence towards God and man." He was the last surviving son of the author of "The Conquest of Mexico."—Ib., 203-5.

t "It a man is willing to live long in the enjoyment of his food let him live sparingly." His habit was to take twelve ounces of food a day, in bread, soups, yolks of eggs, and meat, and fourteen ounces of wine.— Cornaro on Old Age, p. 32.

! He increased what he ate to fourteen ounces, and his drink to sixteen. "This augmentation of diet was so prejudicial to me, that, brisk as I had been, I began to be sad and out of humour. Everything of fended me; and upon the least occasion I broke out into a passion. At twelve days' end I was taken with a violent fit of the colic; that was followed by a continual fever, which tormented me for thirty-five days together. For the first fifteen days it put me into such an agony that it was impossible for me to take a quarter of an hour's sleep at a time My friends several times believed me to be a dying man. Nothing free me from this danger but resuming the regimen which I had so long to served."-Ib., p. 33.

6" The life I lead is as happy a one as can be wished for in this world. I am still so strong at fourscore and three as to mount a horse without any help. I can not only go down stairs without any concern, but likewise descend a hill. I am always merry; always pleased; always a humour; and maintaining a happy peace in my own mind, the serenity of

which appears at all times in my countenance."- Ib., 50.

|| "What I eat is as follows: bread, soup, new-laid eggs, veal, hid, mutton, partridges, pullets, and pigeons. Of the seafish I choose golds-miss [John Dories ?] and of the riverflash the pike."—Ib., p. 81.

military and this is the advice which he gives to e with to have what he calls a "happy and h " by hing so regulated." His further remarks on the n from longevity deserve also to be re

goe facts and views may lead us to the conclusion t it is one of the Divine laws of hife to put our individual designation of it in our own power, subject always to his session will. But his plan and principle seem to be, to it to us to curtail or protest our stay on earth seconding the care we may choose to take of it, and to the habits that p favourable or inimicable to it. He has connected it more ly with our self-government; and, by the first comd he gave, has pointed out to us on what this should be by exercised. Longevity is more connected with simple I samperate diet, and with that self-regulation which, in the By expertenities of indulgence, and in the possession of the g means, we are least disposed to practise than we sware of or like to suppose; yet faily full habits of feedsare not favourable to durable life. But careful diet, in a cely-regulated quantity, though one of the talismans of long a, is not the only one. All other habits should be directed to the same end; and this will require much selecting judgment and determining resolution; for the customs of society been adopted and are in full practice without any refermee to it, and therefore are in many points incompatible with But they are needlessly so as to the enjoyment of life. atever other purposes they may answer; for those gratifientions which most favour continuous vitality will be found is their course more pleasurable than such as invade it. What injures the functions of life hurts the spirits and the

, * Oh happy, blessed, and regular life! how worthy art thou of our papers. I How much dost thou deserve to be preferred before thy constry ! — Cornart, p. 40. "A good regimen is necessary for the prelonging our days, and it consists in two things: first, in taking ours of the

ag size days, and it consists in two things: gree, in taxing ours or the public, and, secondly, of the quantity, so as to eat and drink nothing that lines the atemach, nor any more than what we can easily digast. Our superionee cought to be the guide in these two things."—1b., 7l. -1, 4 is the will of our Creator that we should attain to a long life, is has appainted man to this, because, in his old age, he will be freedom the bitter fruits that were preduced by sense, and may onjoy the and eithers of his reason. He then bide firewell to his view, is no sign; a after to the devil, and finds himself in a better condition to provide for the selection of his seed."—1b., ch. 3.

temper, brings on lassitude or pain, and fixes corroding diseases, as well as occasions the more rapidly-destructive ones, or promotes their fatality. Hence we are our own worst emies in this point, and are every day rousing the evil agencies into action upon us, to accelerate that mortality which we complain of, yet will exert no due skill, and care, and self-coercion to avert. But if, from the desire of present gratification, as it occurs, we will not take this trouble, nor study the subject as carefully as we attend to many far less important things, we are the authors of those early abbreviations of our life which we so much lament and are saddened by.

For the first portion of our existence, we are at the mercy very much of our parents and nurses. They must learn more correctly the laws and causes on which infant and younger life depend; and if they were to make this an important branch of their intellectual attention, and would adapt their own habits and mind to guard and cherish, with enlightened judgment, the vital principles of their newborn generation, the mortality of this period of life would be very considerably diminished. It is lessening already; and the same moral feeling and parental improvements which have produced this melioration are pledges that it will soon be much more ex-

tended and more certainly assured.

But when we have ourselves attained that power of observation and thought which grows rapidly within us as we past from youth to manhood, the springs of health and life are then under our command as far as human judgment can effect We then become responsible for the prolongation of our existence in all those things within our power by which it may be shortened or enlarged. If we will not take the trouble to learn and mark what actions, indulgences, or habits tend to abridge or promote it, but choose to walk through life in a wilful ignorance on the subject, which we suffer ourselves to remain in, on any point that is important or deeply interesting to us, we are the authors of that brevity of life which we have brought upon ourselves. The Creator has enabled us to trace his laws concerning it, if we will apply the same care and impartiality in discovering them as thousands are exercising in their daily professions and in the various departments of natural science. It is the Divine plan to leave our longevity here in our own power to the same extent in which he has given us room and license to improve in so many after woulder conserve. A me counser of general state of promotes the interest of the conserver o

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Having taken the variety was a long of facts which have been consistent an income of facilities in man set a position of thought it which the order of the following commission on the following commission or the following commi

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number of the long-living individuals, and in their proportion to the rest of their contemporaries.

It has been enjoyed by so many in full and continued health, with so many bodily as well as mental gratifications—with so much active industry and usefulness—with the senses so uninpaired—with walking power and with undiminished intellect, that it must be deemed a desirable good—a benefit to be sought for and valued—a blessing to be gratefully received. Disability of body is no necessary consequence of it. All the stages of life after manhood are attended with a diminution of manly strength, as well as extreme old age, and with several bodily infirmities; but infirmity is not unhappiness, nor even discomfort, as I personally know, and as thousands of old mea will declare.*

Dotage, loss of memory, imbecility, or defect of mental powers, is no necessary or natural companion of longevity. Neither of these arises from any decay in the mind. That remains in its internal self what it was when advancing into the senility of its earthly years; and all the altered phenomena which it may in any exhibit arise from bodily causes and changes-from organical or functional diseases-from ossifcations, ancurisms, congestions of blood-watery effusions, lesions of parts or vessels—indurations, or other alterations of substance injurious to the nerves—inflammation or paralysis of some of their ramifications-ganglious or fibrous reticulations. or other causes by which the communication of the mind with the external world, its power over its sensorial organs, or its use of those of speech, or the connexion between these and its thoughts, is prevented or interrupted. In these cases the mind of the individual becomes confined to itself, and is as much withdrawn from the perception of others as a prisoner. fastened in a dungeon becomes lost to society, and is no longer visible by it. Its concern with this world is then termina-It has only to await its passage into the next; and to

^{*}Another instance of efficient longevity has just occurred. "On 27th January, 1837, died at Kennington the oldest inhabitant of Kent, at the age of one hundred and eight. She was born there on 29th September, 1728; her parents were labouring people. In 1750 she married. Her faculties were unimpaired to the isst. She could narrate events which happened as far back as 1747 with surprising accuracy; and her eyesight was so good that it never required the aid of spectacles. During all her itself she abstained from spirituous liquors, indulging only in tea."—Kanifah Herald, 1837.

that, death must be its conductor, and has been appointed to be so

These views induce me to believe that what are called or found to be the miseries or dotage of old age arise always from material causes, extrinsic to our principle of life, and not essentially or necessarily connected with longevity; but are accidents occurring to it from external things. As such they are evertible or remedial by human skill and means, so far as it is the will of Providence as to the individual that he should or should not be subjected to them. The Divine will either leaves us to ourselves, or, if we seek its direction and government, will regulate for us what is most momentous to us, according to its own wisdom and purposes. But, reasoning on matural and human causation only, my inference from all that I have read, or seen, or felt, cannot but be, that the grievan-. ces of old age spring oftenest and principally from previous or continued wrong habits in ourselves, which have disordered some of the functions, which affect the vascularities, or which have injured or oppressed the nervous or brainous system of our frame.*

If this be the fact, then, so far as it is operating, the evil operation may be checked or lessened when our knowledge and discernment have discovered and can app'y the available cerrectives; and the benefit which they may impart, our increased and sustained self-government may for some time

[&]quot;A circumstance appears in our periodical papers while these pages are preparing for the press, which illustrates the action of bodily causes at the mind, and the benefit arising from the removal of the depressing matter. M. Nobil lately read a paper to the Medical Society at Ghent on the affects of the loss of a great part of the substance of the brain. A yeath, of a gloomy and saturaine disposition, and of a limited degree of itselligence, fancying that a girl to whom he was attached was deceiving his, sired a pistol with two balls at his own head. They passed out at the same oridee, and with them a portion of the brain sufficient to fill two successfully-sized cacups. He became immediately insensible; but a twenty-four hours recovered his consciousness, but with loss of sight. Bach day, when the wound was dressed, portions of the brain came away with the dressings; but by the twenty-eighth day the injured part was healed. After the healing a surprising change took place in the character of the youth. Instead of being, as before, gloomy and taciturn, he became lively, intelligent, and talkative; and suggested a variety of imprevements in matters which seemed previously beyond his comprehension. Eld did not recover his sight, but his other senses remained intact, though the loss of cerebral substance amounted probably to the whole of the left anterior tobe of the brain. He survived the injury two years.—

number of the long-living individuals, and in their

to the rest of their contemporaries.

It has been enjoyed by so many in full and contin with so many bodily as well as mental gratification much active industry and usefulness-with the se impaired-with walking power and with undun lect, that it must be deemed a desirable good-a sought for and valued-a blessing to be grateful Disability of body is no necessary consequence of stages of life after manhood are attended with a manly strength, as well as extreme old are, and bodily infirmities; but infirmity is not un discomfort, as I personally know, and as thousan will declare.*

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and history of the world, its plan, the Divine ournames life, the great truths and prospects revealed ner francisco, weeks to the to be founded on the two makes of our intellection interes--its immeriality and sinkly. That marked have not been penerally amend to te, no one will dispute : that they are a terry mare term, almost, if not quite universally. wanty history and goography without perceiving when y was allow hard to theme empthily life hermone there were their Creation, and he and do what he come A halled in the language of revelation at every the communications. That the Desty, in all has me a seed by years unit, has wright to melonate his human more that and desiring them to live and act in com-He, the meter, in mainfest to all who read what has removed by the university and in the name. These mine the events in all the Marted Writings before our exists. But when he disclosed his purposes and me, they were connected margarably with our line s and incorratity. His fature kingdom, the world y of what we see to be inhabitable, was presented copy seem as the cortain sequel of our present lesing; a ter or orthodolog limites of the word had heart adapted the this state of our existence as imagey as it will be the railed the new to service the feelings, the qualithe iminia; to which the shows and vierns, and to we member to the product of the victors and actual engaged and illustrated. These tequishana attest remember of one intere; for it term could not be into there, it was necless to teach them. His principle we were in our usual state similar and idlending but that we were convertible and alterable from this not, the merchations which he encouraged us to A which would make upman habite pleasing to its nd the great change could be effect thated only by him The and was immused if would be and what I me to the agree y and offerery of the Holy Burit on the third will be that which the thirt by the thirds the of it was and embrene to us the fact that more may che the transfer of every cherital minh; and we were present of one the me attends remember way your cortains see which are attached to our promite These considerations present to us one vast advelengthened life, to which every one may make it and which attaches to it a value so inestimable as object for our earnest desire: this is, that the longe the more improvements we may acquire in our preside the more advanced we then shall be in gression and melioration of our nature to which the Christian teachers so emphatically invite us.

Age and longevity are peculiarly favourable to the and have been designed to be so. The stimulation passions and appetites which in younger life create between inclination and duty, have then ceased or feeble, and are more easily governed. Our impul jects, hones, and activities have subsided into soher and experienced judgment. The world around us much of that enchantment which so much fascina first novelties, and in the delusive expectations whi cites. What we have ardently wished we have by attained, or have relinquished as either unattainable sirable. The mind is therefore less agitated and so much of its term of existence here has been na our common sense becomes our counsellor to k steadily on our next stage of being, and to be doing will most tend to make that safe and comfortable to But when these feelings and thoughts really pre so it one of the greatest blessings we can receive.

able of the "Talents" intimates that the greater
ments we acquire and use in this life, the grander will
mediction conferred in the next.*

LETTER XXVII.

nto the State of the Mind at the Time of our Earthly Death, the inducations then given of the Immortality of its Nature, rative incidents from the Dying Moments of many Persons less distinguished.

DEAR SON.

dering our vital and intellectual self the spirit which I thinks in all that we are conscious of, which acts in we do, and which constitutes our individualized perto be an immortal principle of being—we may exonly that longevity should not impair or diminish it, death should also be unable to destroy it. Death only a medium to a new scene of life, as birth visiblt will be congruous with the eternal durability of our that, both in the commencement of its entrance into ly drama, and at its exit in the last scene of its ap
; it should give some tokens of its imperishable esnd indicate that it is itself independent of the apg mortality of its united but temporary body.

certain what is true on this interesting point, I have d the state of individual minds as their last moments and, as it has been described, to see what information drawn from it that would illustrate the inquiry; and about to your consideration some of the most remark-

will be gratified by a passage in Sir Humphrey Davy's letter his early bome friends. "We can trace back our existence a pant. Former time presents us with trains of thoughts disminishing to nothing. But our ideas of futurity are perpetuations, Our deares and our hopes, even when motified by seem to grasp at immensity. This alone would be sufficient his Property of the Brother, well the property of the Brother of the Brothe

able of those which have been delinested to us with enficient minuteness.

My first point of investigation has been to know whether the dying individual has a perception or a feeling that he is departing from us; and from what I have read and heard, it appears to me that, in general, however near death is, he has no sensation or belief that it is so; but that, even when he thinks he is in that state, it is an inference of his judgment, and not a feeling in his intellectual nature. This result corresponds with the soul's essential immortality, and is a testimony to it. Being an undying principle of life, it never feels itself to be actually extinguishing; but, on the contrary, when all its friends have given up every hope of its surviving longer. the dving person does not think he will die, but has the hope of recovery till all visible sensibility and life have ceased. I have seen this on deathbeds which I have attended, and I believe it is a common fact in those whose disease is consumption, that they are sanguine of their restoration to the last.

Mr. Gibbon exhibited this undying feeling of his mind st the time that the agency of death was upon him; and the day before it closed his earthly life, he expressed his belief that

he should enjoy it many years more.*

Mr. Pitt expired on the 23d of January, 1806, in his fortyseventh year, on the anniversary of the day on which, twentyfive years before, he had become a member of the British Parliament. He went to Bath for relief when his fatal illness came upon him, and returning to Putney Hill, wrote to the Marquis of Wellesley a letter expressing his belief that he was recovering t He received his noble friend with the en-

ing day.

Lord Sheffield adds—" The valet de chambre observed that Mr. Gibbon did not, at any time, show the least sign of alarm or apprehension of death; and it does not appear that he ever thought himself in danger."

—Gibbon's Miscell. Works, vol. 1, p. 422-5.

The marquis has attached this note to his deeply interesting escount

^{*} Lord Sheffeld left him on the afternoon of the 14th January, 1784 "Lord Shagelel left him on the atternoon of the 14th January, I'm, and mentione that, on the next day, "at one o'clock, he received a visit of an hour from Madame de Sylvie; and at three, his friend Mr. Crawfurd called, and steyed with him till five o'clock. They talked, as used, on various subjects: and twenty hours before his death, Mr. Gibbes happened to fall into a conversation with him on the probable duration of life. He said that he thought himself a good life for ten, twelve, or, perhaps, twenty years. About aix he ate the wing of a chicken, and drank three glasses of Madeira." He died soon after noon on the following day.

erroy of a mint that had no feeling of advancing death, although his bedily appearance convenced the margus that it was neer.* He died in a few days after this letter and the interview. It is obvious from both, that Mr. Pitt felt as an immortal being would feel, though his spirit was about to be separated from its body. He had that sensation of vitality which animated Mr. Pone when he inferred from it his own perpetuation of existence.+

Oliver Crosswell, to his latest moments, had the same strong sensation of life, and would not believe that he was near his departure, and expressed warmly his conviction of his safety to his medical attendants, persuading himself that

he had also a Divine sanction for his confidence.

The Duke of York, our present sovereign's brother, in his mortal illness, when all saw that he was dving, was so little conscious of being in that state from his internal impressions,

of Mr. Pitt, printed in the "Quarterly Review," No. 114. "Putney Hill, Sunday, January 19th, 1606.—My doar Wellonley.—On my arrival here lest night, I received, with inexpressible pleasure, your most friendly and Affectionate letter. If I was not strongly advised to keep out of Landen till 1 have acquired a little more strength, I would have come up imme-Casely, for the purpose of seeing you at the first possible moment. As it is, I am afraid I must trust to your goodness to give me the satisfaction of seeing you here the first hour you can spare for that purpose. I and recovering rather slowly from a series of stomach complaints, followed by severe attacks of gout; but I believe I am now in a way of roal amendment."

* The marquis cays, "I was received by him with his usual kindness and good-humour. His spirits appeared to be as high as I had ever seen them; and his understanding quite as vigorous and clear. But, not-withstanding Mr. Pitt's kindness and cheerfulness, I see that the hand of death noss fixed upon him."—Ib., 491.

† "Is May, 1744, Mr. Pope evidently grew worse and more infirm. One day be said to Spence, I am so certain of the soul's being immortal,

One day he said to spence, I am so certain of the sour weigh girmorus, that I seems to feel it within me, as it were, by intuition."—Dr. Whartes, Chieseld's "Last Hours," p. 523.

2 "After making his will, the next morning early, Cromwell asked a young physician who had sat up with him why be looked so said. When answer was made that so it became any one who had the weighty care of his life and health upon him. "Ye physicians," said the protector, "think I shall die. I tell you I shall not die this time; I am sure of it. Do not think I am mad; I speak the words of truth, upon surer grounds then your Galen or Hippocrates furnish you with. God Almighty himself bath given that answer, not to my prayers alone, but to the prayers of these who entertain a stricter commerce and greater interest with him. Go on cheerfully, banishing all sadness, and deal with me as you would with a serving man." "—Sir H. Halford's " Deaths of Eminent Persons," 14, from Dr. Bates's Elenchus. He died soon after, ou 2d September,
 1686, the anniversary of his victory at Dunbar, aged fifty-nine

that, although apprized of the medical opinion, yet he the that he was getting better.*

In some cases the sense and appearance of life become stronger than usual as its union with the body is sew This was the case with Bishop Hildesley, and I believ not uncommon.† Even many deranged persons recover complete sanity as death advances upon them—a strong cation that such maladies are diseases of the functions! frame, and not of the intellectual spirit, and a testime the distinctness and several natures of the soul and body

That the mind retains and displays its full powers whe agency of death is decidedly operating to separate it fit body, just as a living and thinking spirit would do the different from it, and only temporarily connected with i have abundant instances. I will only notice a few that h to occur to me. Mr. Burke's only son died before his fibut in his dying hour manifested himself to be completed in the difference of the second his intellectual sensibilities and energies. The Fox also the second sec

^{*} He died 5th January, 1827. His last illness came upon him preceding summer. At the end of December his legs resumed pearance of mortification, and he was informed of the fatal prospec confessed to Sir H. Taylor that he had not expected such an issue an not afraid of dying; I trust I have done my duty; I have endes to do so; I know that my faults have been many, but God is me I bow with submission to his will. I have at least not to represent self with not having done all I could to avert this crisis, but I own come upon me by surprise. I knew that my case had not cease free from danger; I have been always told so, but I did not suesy mediate danger." On the 28th, after taking the sacrament with its cess Sophia, Sir Herbert says, "He asked me whether his plat thought much worse of him, for he really felt better." It was not day before his death that he had the conviction of his approach parture, when he said in a steady, firm tone of voice, "I am now str. H. Taylor's Account.

[†] He died in 1773, aged seventy-four. "It is remarkable," se Moore, "that for a fortnight before the bishop died, he was appear better health and spirits than he had been for some months preced Clissoid, p. 526.

tin ince he was returned to parliament for Malton, and an Irish secretary to Earl Fitzwilliam; but consumption came rapid him, and he died on the 2d August. On the morning of his des lamentations of his father and mother reached him where he la rose from his bed, and desired his servants to support him towar room where they were sitting in tears. He endeavoured to enter conversation with his father; but grief keeping Mr. Burke site son said, 'I am under no terror; I feel myself better, and in a and yet my heart flutters, I know not why. Fray talk to me, sit of religion; talk of morality; talk, it you will, of habitereast weit

stal principle unimpaired.* fin Addison, notwithinfermities of his ferme under which he was Mrs. Rows, whose writings so much pleased our ra, was in all her vital power two hours before she dead :1 and the celebrated Bombasse contemplated stilds difference between his mind and his body in ass as being like a philosophical experiment to him, tellectual self would not perish with his bodily dis-Our acute-minded Berkeley had no enticipating

ing round, he exclaimed, 'What noise is that ! Done it ; it is the energing of the wind through the trace / and imm th a voice as clear as ever in his life, and with a more than eace of action, he repeated, from Adam's morning hymn a person, ye woods! that from four quarters blow,

ithe soft or load; and wave your tope, ye pines!

fith every plant, in sign of worship, wave.

an again, and again pronounced the lines with the same has curion and genture, wared his hand in sign of worship, a , muck into the arms of his parents so in a profound a -dend -Letter from Dr. Lawrence, dated Aug. 4, 1797. and Wilster said, For's inst words were, 'I die happy ? then his wide, 'I pity you.' He retained his perfect judgment uit

meter of an hour of his death. His mind then vaculated?g friary, in Gent. Mag., 1834, p. 477.

ing his mentioned the circumstance, in his "Essay a suposition," of Addison. When he foll that life was deparif for his lady's son, the Earl of Warwick, to the destitled as netamity of cactaining him from his irregularities. The ear kindness of member, desired to hear his last connects, for you, say lard, that you may see in what peace a Christi raw A. Schworf a last observation; expressing it in the excepted swar mind in all its religious sestiments and bellef.

was mady-three, and died 20th February, 1727, 6in the day is was negled by death, site seemed to those about her to be health and regory, and in the creating, about eight o'clock, she with a friend with all ber wonted virgetry, after which sh buy chamber. At about ton, her servant, hearing some a ercour's character, ran instantly to it, and found her fallen on the floor, specificae, and in the agreeies of death. Him i into assistance of a physician and surgeon, but she seen as er, faither's Account of her.

man Socritary died in his acceptioth year, 234 Septemb e fatal distemper, which began in the preceding year, we wall periods of great pain and howeass of aperia. A level the fore his death thee great styrnist, as he was sitting without his wife and family, was resided by a fraud, to below he that he had never doubted of the spiritual and h the sout. He stated that he had lately had a kind of any taking of the distinction between corporati and thinkin of since reason and philosophy cannot affect. Verse of concemplating the wounderful and inexplicable

sensation that death was coming upon him; nor the daughter of Bishop Lowth, whose spirit fied unexpectedly in a social party.† All sudden deaths accruing in the full enjoyment of mind seem to confirm the idea that the soul is unconscious of the impending change, because its own nature is unsfected by it; for although such events occur like an instantaneous blow, yet they seem not to be, except in the sudden rupture of a vessel, a suddenly produced effect. They sppear to be but the last step in a progression of merhific causes, whose operations ought to appear in corresponding changes of the soul, if that was but the result of its bodily composition. In this case I should expect the mind to tes-

soul and body, which nothing but long sickness could give. He illustrated this by describing the effects which the infirmities of his body had upon his faculties; yet they never did so oppress or overpower these but that his soul was always master of itself, and always resigned is the pleasure of its Maker. As death approached nearer, he seemed swalless sensible of pain, and more cheerful under his torments, which continued till he expired his last breath."—Dr. Johnson's Account of his.

* "On Sunday evening, 14th January, 1753, he was with his family, listening to a sermon of Dr. Sherlock's, which his lady was reading? him. He then lay on his couch, and seemed to be asleep, till his deaghter, presenting him with a cup of tea, first perceived that he was inseable. Some affection of the heart had seized him, and he expired while his wife was reading to him St. Paul's chapter on the resurrection, at which he made some comment."—Biog. Brit. Of him Bishop Atterbary said, "that he did not think so much understanding, so much knowledge, so much innocence, and so much humility had been the portion of any but angels until he saw Mr. Berkeley."

† "His second daughter, Frances, died as she was presiding at the teatable. She was going to place a cup of coffee on the salver. "The this, said she, 'to the Bishop of Bristol.' Immediately the cup and he hand fell together upon the salver, and she instantly expired."—Obstancers's Biog. The bishop lost his eldest daughter at thirteen, and placed upon her mausoleum an interesting epitaph. His own Latia is more tender than Mr. Duncombe's translation.

"Cara! vale! ingenio præstans, pietate, pudore; Et, plusquam natæ nomine cara, vale! Cara Maria! vale! at venlet felicius ævum, Quando, iterum, tecam, sim modo dignus, ero. Cara! redi,'leta tum dicam voce, 'paternos, Eja, age in ampleaus; Cara Mari! redi?"

"Dearer than daughter! paralleled by few In genius, goodness, modesty—adieu! Adieu, Maria! till that day more bless'd, When, if deserving, I with thee shall rest 'Come,'then thy sire will cry, in joyful strain, (Oh! core

Oh! come to my paternal arms again ""

Sev. H. Clistold's "Last Heers," p. 00.

ify every change and advance to death which the body underpees, as the thermometer indicates every increment or altera-ies of the temperature. Nor can I reconcile with such an hypothesis the phenomenon of Dr. Maclaine being able, as the mortal agency advanced upon him, so steadily to surver it and the prospect that extended beyond it, and so intelheatly to compare and reason upon them. This was quite natural to a soul that was only passing from one scene of being to another, but would be unnatural, and, in my appre-heraton, impossible, to a soul that was on the point of perishing for ever with the cossation of the pulmonary respiration of its connected frame.

Hence, when I find the individual in his mortal hour acting with his usual taste and peculiar powers, as Haydn, emoying his musical harmonies; f or like Bishop Porteous, displaying

• He died at eighty-two, in November, 1804. He had been, for fifty mans, the minister of the English Church at the Hague. In his last lines he said, "I feel that I am going very gradually; I shall not long be have; I have always had a religious turn of mind, which has kept me from had habits. When very young I was fond of attending places of warship, and of going to funerals, being impressed with the selemnity of the service.

*I have no pain, and though very weak, and daily becoming more and see so, yet the faculties of my mind are in a better state than they Time two months ago. I can now contemplate clearly the grand scene to which I am going. It appears to my mind very magnificent and very model; all is bright, though I say it with humble confidence and reliance m the Divine mercy, through the mediation of my blessed Redeemer, them I have always loved too much to four that he should now formake no. I shink almost continually of the aublime objects in the new scene but he before me, of the society that I shall join in that untried state, and I feel the subject very awful; but it is a pleasing awe, accompanied the highest reverence and trust in a heavenly Father."—Mr. Simp-

The Account. (Hamold, p. 456.
† Haydn died in May, 1809, about seventy-seven. When Napoleon stacked Vienna on 11th May, the French fired 1500 cannon show within a few yards of his house upon the Austrian capital. Four bombs fell por yeres or use nouse upon the Austrian capital. Four bombe fell tase to his boson. He was carried to his bod with a convulsive shivering. On Sich May his strength disalished sensibly; yet be caused himself to be carried to his planoforts, and seng thrie, as loud as he was blue feld presents the Emperor. While at the plano he fell into a tase of insensibility, and at last expired. "Banbet's Account, cited by Manueld, p. 538.

" It is interesting to know, that he said of his greatest musical composition, "When I was employed upon the "Creation," I felt myself so pen-circled with religious feeling, that before I sat down to the pianoforte, I prayed to God with earnestness that he would easible use to praise him.

his mental sensibilities a few hours before he expired; or like Lord Mansfield, regarding the transfer of his existence as but a journey to another station of it; or like Lady Glenor, the cling death not only to be an easy change, but causing pleasure to her as it approached;—all such facts are congruous with the nature and thoughts of an immortal principle, but would be inconsistent with any other, and could not accrue to it. That age should feel like youth, as in Dr. Reid, who was so distinguished as a metaphysician, suits a soul that, being eternal, can have no age and no decay; but is the reverse of what should occur to the more temporary material life of a decaying body.

Another very impressive indication of the independent nature of the soul, and of its unextinguishability by the operations of mortal death, arises to us from the unvaried preservation in every one of the individual character of his living personality to the last moment of his disappearance, and his manifestation of it in his ideas and expressions, as long as he can move his vocal organs to utter anything. This is what

^{*} On 11th May, 1808, the prelate, then seventy-seven, "was at his one desire removed to Fulham; and, for a short time, the change of air said scene appeared to cheer and exhiliarate him. As he sat the next mering in his library, near the window, the brightness of a fine spring say called up a transient glow into his countenance, and he several times exclaimed, 'Oh! that glorious sun.' Afterward, while sitting at diness, he was seized with some slight convulsions, which were happily of short duration; and he then fell, as it seemed, into a gentle sleep. From that time he never spoke, and scarcely could be said to move. Without a page or a sigh, by a transition so easy as only to be known by a pressure of his hand on the knee of his servant, who was altting near him, his spirit field to the realms of peace."—Dr. Hodgson.

[†] He died in 1793, in his eighty-ninth year. Being recovered by medleal attentions from a state of insensibility, he said to Dr. Turton, "Why did you endeavour to bring me back, when I was so far gone on my journey."—Holiday's "Life of Lord Mansfield."

^{\$} She died in 1789, at forty-three. She frequently mentioned her persuasion that her death was near, and she uniformly expressed her satisfaction and joy at the prospect. Her conversation was nevertheless easy, pleasant, and cheerful as ever; almost her last words wers, "If this be dying, it is the easiest thing imaginable."—Clissold's Last Hours, p. 520.

[§] Dr. Reid died at eighty-seven, on 7th October, 1796. Dugald Stewart says of him, "His ardour for knowledge remained unextinguished to the last, and, when cherished by the society of the young and of the inquisitive, seemed even to increase with his years. What is still more remarkable, he retained, in extreme old age, all the sympathetic tenderness and all the moral sensibility of youth. In apparent southess and activity of body, he resembled a man of sixty more than of eighty-seres."

calls the ruling passion strong in death, and of which he some metances eketched from realities. What the inual mind is and has been in his particular character, and are and habite, he is when he expires. But every one some diversities to his moral and mental personality a and see are those which his always continuing soul has acd and retained, they always accompany it -- always, in s as in life. Each lives with this self-identity, which s and distinguishes him from all others, and which conon his individual mind; and each dies with it, undiminand unsecuration. We do with it as we full asleed We shall at first rise with it from the grave, as we with it from our night repose. It runs not, like min streams or streaks, into others, lost to any general uni-It changes not, like the chameleon, from one colour maly to another, nor, like the kalendoscops, shifts from men to othern on every againston. As soon as youth adm into machood, you see a one-individual character gradforming and fixing its features, and steadily retaining : enlarging, but not losing them, whatever number of at may appear in the living body. Hence, if we have bounded millions of contemporary fellow creatures on our there are an many of these distinct, and peculiar, and sified adjudgalities not the mere visible physometic of minut, as the coloured rays on the spectrum, moving and not into each other as we turn the priem, but abiding permile within us, sleeping, waking, talking, walking, and g to us. Whether we are in business or in amusement, was or shroad, resting or travelling, in ships, armies, willness, or cities, still this self-identity, this continuous

Page's Kp. 1.

Midding ' in wordlen' 'twested a saint provoke'"
Were the last words that pure Narchess speke.
"No let a charming chints and fitusorie lare
Wrap my cold limbs and shade my lidees fare.
One need not, sure, be frightful, thengh one's dead,
And, Betty, give my check a little red."

[&]quot;I give and I devien," old Eurlie eard.
And eightd, "my lands and tenements to Ned."
"Your money, etc." "My meney, atc, what, all!
Why, if I must," then week, "I give to Paul."
"The matter," "The metter," hold "he eyled,
"Not that." I cannot part with that" - and deal.

mental peculiarity, this individual personality, is in and with every one of us, indestructible and indelible even by ourself. Napoleon, wherever he went and whatever he did, was still Napoleon, and no one else, and no other was Napoleon but himself; the same with Lord Nelson, Mr. Pitt, Mr. Fox, and every other character of the day.*

The notes of the deaths of three men are before me, which confirm these observations by showing the distinct individualness of character and mind fully subsisting, but manifesting itself as various as their personal spirit had become, from its habits and employment during their respective lives. These were Mirabeau, the first great leader of the French Revolution, Cardinal Mazarin, and Thomas Paine.

In MIRABRAU we see the mistaken opinions into which he had settled his mind, and his ruling passion—the love of being distinguished from others acting strongly upon him to the last, or, at least, presenting to us a peculiar intellect, displaying itself quite different from its dying body. In 1791 he was suddenly seized with his mortal attack, in the highest tide of his political glory.

"His last effort, when his speech falled him, was to write on his table, 'Death is but a sleep,' and a request for some opium to extinguish beth is life and pains together. He added, 'Take away from my sight all those funeral-looking things. Why should a man be surrounded by the grave before his time? Give me flowers; let me have essences; arrange my dress; let me hear music; let me close my eyes in harmony.' But this passed away with the return of pain; and he once more easyry required opium to end the struggle. The physician, to quiet his miss, gave him some water in a cup, telling him that it was opium. He swallowed it, dropned back upon his pillow, and was dead, ''

Cardinal MAZARIN exhibited, in the last scenes of his ambitious and successful life, a personality of mind as appropriate

* In all that Lord Nelson said after he had received his death-wound in the battle of Trafalgar, we see his peculiar mind in all its feelings, character, and ideas, in action to the last. His practical judgment, knewledge, and decision were as manifest in his latest word as in all his place and orders for the battle. When the hostile ships had struck their flags, and the ocean was agitating into tempestuous waves, his dying order et advice for the fleet, expressed to his captain, was. "Anchor, Hardy, anchor!" This single term displayed the full action and intellectuality of his superior mind at the moment of his departure. I understood at the time from nautical men, that it was so right, that, if what he recommended had been done, more of the prizes would have been secured as saved.

† Blackwood's Magazine, 1834, p. 63. How like, in one point, Pope's Narcisca.

is inself, and marking an individual spirit quite unlike it of a mere general organization of the common marticles of a human body. We have the following achim from his contemporary, the Count de Brienne:—

il Masaria was taken ill on his return from the conclusion of of the Pyreness, which crowned his glory as a diplomatist and Arnved at the Louvre in a dying etate, he ordered a grand he prepared in the Gasene des Rois, with all the spiciodour ist, drapery, and gliding could bestow. The decorations of the sit fire.

pant de Brienne caya, "Upon the alarm of fire I ran to the to of the cardinal, and found him in the arms of the captain of e, pale and trembling, with death in his looks. A consultation i, and the physician, Granaud, said, 'I must not flatter you, eur; medicine cannut cure you.' 'How long have I to live, Two months at the most.'" After this Brienne adds, "One e in his gallery of painting, sculpture, and tapestry, I heard him and concealed myself. He entered with a languid step, and frequently, as he came to different pictures, he mourafully must leave this, and this, and this, and all these, which have much. I am going where I shall no longer see them? I help sighing," continues Brienne. "'Who is there, who is aid, he, in a doleful tone. I came forward, and beheld him in gown, nightcap, and shippers, with death in his countenance. monateur, with a letter for you.' 'Come here, my friend. I am A-that beautiful Correggio, that Venus of Titian, that incom-Deluge of Annibal Carraccio!-ah! I must leave all these. sloved pictures! which I loved so much, for which I paid so A day or two before his death he had himself shaved and his mustaches curied, his check and lips covered with vermilwhite paint laid on with equal abundance. Thus made up, and his sedan chair, left open in front, he made the tour of his

s last moments of Thomas Paine we have again ansutal personality, as unlike the others as two dissimisucan well be, exhibiting its intellectual self and its
ruliarity to the last, and therefore such as a soul, indeof its body, would be, but not what an arrangement
non matter only could have exhibited. He has been
at to us as he lived and died at New-York, on his last
ion to America, by Grant Thorburn, who visited him
the original character from whom Mr. Galt composed
resting narrative of "Lawne Todd" We have two
s of him before his dying scene; Grant Thorburn thus
s his bodily appearance—

st de Brienne's Memoirs inédites, cited in the British and Fereiga. No. 4, p. 406. "He was the most disgusting human being you could most streets. Through the effect of intemperance, his countenance ed beyond description."

He has been delineated by others to the same pur from the same cause—a persevering and excessiv spirituous liquors. Mr. Thorburn went to him in his and in the conversation said to him—

"'Here you sit, in an obscure, uncomfortable dwelling, pow stuff and stundfed with brandy. You, who wore the so Weshington, Jeg, and Hamilton, are now deserted by every and even respectable Deists cross the streets to avoid you swered, that he cared not a straw for the opinions of the w blied, 'i gavy not your feelings,' and so we parted."

In a further conversation, Mr. Thorburn describe his own course of a regulated and industrious life, man of humble condition—

"'I went to church, and put two cents into the plate. If it was lively, I heard him. If he were sleepy, I slept too. At rested my body, and rose on Monday morning refreshed for while others spent their money, and on the Monday rose wit ache, unable to work. Now,'I said, 'you see it was by h Lord's day that I came to be a seedsman.' I added, 'That w ligion might do for us in the next world, it was the most precern a man could follow in this.' He looked earnestly in m said be believed I was right."

Mr. Thorburn describes his last moments, from the ation of the medical gentleman who attended him—

"It is not true that he recanted his free-thinking princip deathbed. His physician, a man of good standing and respec formed me, that in the same hour that Mr. Paine died he

"Mr. Paine's complaint was excruciating, and ever, as the returned, he would exclaim, 'Lord' help! Lord' help! help! Help! Help! as few minutes' respite from the pains. stood by his bed; says he, 'Mr. Paine! you have published it and we all know your sentiments on that subject. I ask you man who will be in eternity before one hour, Am I to unde as really calling on the Lord Jesus for help? 'He thought's minute, and then replied, 'I don't wisk to believe on that mar "These were his last words, for in twenty minutes th died.'?'

* Grant Thorburn's "Forty Years' Residence in America."
ume describes his gradual advance, by steady conduct am
from an immigrant without means to a respectable competenf Grant Thorb., ib. I cannot but regret that the physician
icate question so roughly to him, in a manner so calculated a
false shame of human pride and exasperating self-represel-

sme tokens of an individual identity of living mind, in starf, with intellectual tastes and feelings belongself, and like nothing which mere nervous pulp of fibre, similar in all, could display, appears in numerness; in the calm anticipation of his own death, and
ng foresight for another's comfort, which appeared in
the the poet; " in the indulgence and expression of a
taste in two obscurer persons; t in the effect on a
nd, in extreme suffering, of a musical strain—a finely
ial agency.!

ins to an increase of the batter feelings which were beginning him him. Yet the reply, was it were, from him, rather freed of believing than a positive diabelet '1 don't wises to How much a false abane, a fear of human taunt, actuates bear most critical moments, we have an instance in Thiatle-) was executed in our own times for high treason.

he was on the scattled, his detrication was that of a man who sed to meet holdly the fate he had deserved. He observed to examinals, that the grand question whether or not the send stall would seen he solved for him. No expression of hope is no breathing of repentance, in spark of gree appeared in the fate the sentence and preceding his execution, while didn't he person appointed to watch him mae saless, he was at person repeatedly to fall upon his knees, and was heard calling upon Christins Faviour to have mercy upon him, and him his aim." This Dector, vol. 1, p. 204.

said more show a thinking soul, different from the body, than hinds of conduct—the penitent and the bravado?

rabbe died 8th Pabriary, 1922, in his seventy-righth year, only one work ill. On the might before he died be said to a st who had lived long with him, 'Now, in the morning whem ,go you to bad, and let athers do what must be done; but I living stay you beside me.' "Atn. Boof for 1922, p. 22. Igama, its his "Diary," mentions, that "Dewthwarte's last

a, "Raiss me up a little, that I may see again that aweet pine," these he had planted." The obtained of the "Gentleman's Mag. as this." Least summer, the obtained saled on a gentleman of such and of London, in whose garden were some large and suchmens of exerte trees. The owner was then in a deep desidoon rose from his bed. His gardener mentioned, that on on of the preceding Sunday, he had desired to be dessed, and uchair near the window, that he might sat and see his beautista, which graw near the licuse, and which has father had Gent. Mag. 1924, p. 20. Here are fillal feelings and recollectual semability to a natural heavily, inexplicable apposing a personal and continued mind.

dain (twen's voyage to the count of Routh Africa, when In lay, he mentions, "Captain Lechmers, of the Royal Navy, The observatory in a low favor, and during the night was us one not expected to survive till the morning. He become the II.—Z.

This universal phenomenon of a continued individualizing identity of mind appearing in every one, peculiar to himself, beginning with his carliest consciousness, enlarging in its ideas and feelings the longer he lives, and constituting, from time to time, and at all times, his moral and intellectual nature, character, thought, feelings, hopes, wishes, judgment, knowledge, will, resolution, and habits, which distinguishes every one of us from each other, is not accounted for by, or reconcileable with, the supposition that we are but bodily particles; that there is no continuing principle of life and intelligence within our material compound of these particles. They are in direct contradiction to it; they disprove such an hypothesis every day and year that each individual lives. If we were nothing but the body, our minds and personal characters would be as similar to each other as our flesh, our blood, our bones, our systems of respiration, digestion, secretion, and circulation, our nervous and cerebral substance, visibly and confessedly are. Intellectual uniformity or identity would be the individual phenomenon of human nature everywhere, and not intellectual diversity and distinct personality.

Nor could this mental individualization continue so steadily through life, as it does in every one, if it were not that of a one and the same abiding and continuous living principle; for all the particles of its bodily substance are every moment passing from it, and new ones are as constantly accruing. Our need of food every day arises from this continual separation and transpiration of the bodily matter of our frames. We see this fact by the shrinking, and extenuation, and loss of substance in those who are famished, and cannot get the food which supplies the bodily want. Such a continual mutation of the body is inconsistent with the abiding energy and sameness of the mind. I feel myself, in my sixty-ninth year, to be what I was in my ninth, with the addition of what

lirious. Every means were tried to calm him in vain. The same impatient, painful restlessness prevailed. Captain Owen, knowing from experience that singing soothes extreme pain, commenced that pathetic bailed, 'Here a sheer hulk lies poor Tom Bowling.' The first note produced a cessntion of his phrensy. From raving madness he sank into almost total insensibility, which continued until Captain Owen came to the words, 'His soul is gone aloft;' when a long guttural sound announced that his spirit was fied."—Owen's Voy., vol. i., p. 129. Here was mind excited by the tones to subdue the vascular action of the function that was deranging it, and then releasing itself from its bodily frame.

:e acquired. I remember my ideas and feelings Il as those of others who were at that time about s not what they were then, but I am now what I he mental and moral features which I can recollect at that early age. I can trace, in distinct recollecme personal individuality of self-identity, the same character, continuing as new incidents and ideas ding to it new means, and materials, and improvenot altering its essential sameness. Yet, at every as still only myself, and not what others were, nor what I was, nor could we be confounded with each transformed into each other; and yet the carbon. i, the azote, the calcareous earth, the hydrogen, : other material elements of which my frame was were precisely the same as the same substances The differences of each person's character and pererefore, he wholly in his vital and thinking princiacquiring, perceiving, reasoning, and continuing s, existing before his body was made, acted in formid in investing itself with the organizations which unted to have in its human body. It was made to man life within such a frame, and to be transeath from that when the will of its Maker intends non and emigration of it to take place. Every · find an experiment in himself on this subject, if offect what he was and has continued to be, and a been one and the same being through all his

acts seem to warrant and to ground these remarks, mbal was taken by his father Hamiltar to the altar, and there made, at the age of nine, to swear sity against the Romans, the spirit of the body, exfecting, carried it on, undiminished and unattered, of his life. This could be done only by the same nuing permanently within his changing material

, relating this influential event to the King Antiochus, fold hers his father was offering escribe to Jupiter, just before unto Nome, the being then but must years old, stood near iar. When the libstoms and other rites were suded, figure commanded the rest to retire, called him up to him, oned har if he would attend him to the army. Changeling that he might no with the sugarantee

All the sublime feelings, hopes, and aspirations which have accompanied so many enlightened and pious Christians to their last sigh, indicate, with an impressive certainty, their interior feeling of the undying nature of the departing spirit, and exactly suit a being whose life the mortal death will not extinguish, and appear to be incompatible with any other character of it. I do not see how we can have stronger demonstrations of this its unperishing quality, than all these circumstances-each varying, yet all leading to the same conclusion—even considering them only as so many natural and experimental phenomena on this point, as a mere psychological question.

An immortal soul would thus feel, think, and act, as its links with its bodily compound were separating; but not a nameless thing, which was nothing else but its material particles and aerial fluids. The facts suit what we believe to be the truth. but are not suited to the erroneous supposition. Dr. Beattie's death is an illustration of this remark;* Mr. Halyburton's feelings, at that time, seemed to him a proof of his immortality.

The extreme pain which some suffer in this separation of soul and body which death effectuates, leads us to the same conclusion, because it proves that an intellectual personality retains its acute and full sensitivity to the last moment. It feels often, with terrible agony, in the very gripe of death.

natural to children, his father led him to the altar, and commanded him to touch the victims, and to swear that he would never be in friendship with the Romans."—Polybius's Hist., 1. 3, ch. 1.

* In June, 1776, this eminent physician was seized with a paralytic stroke, which proved fatal. The night he expired, conversing with the lad his servant who was attending him, he said to him, "Young me you have heard, no doubt, how great are the terrors of death. night will probably afford you some experience : may you lears and may you profit by the example, that a conscientious endeavour to perform his duty through life will ever close a Christian's eyes with comfort and

tranquillity!"—Chaimera's Biography.
† The Rev. Th. Halyburton died in 1712, about thirty-eight. As the event was advancing, he said to a clergyman near him, "I think, brother, my case is a pretty fair demonstration of the immortality of the soul. If ever I was distinct in my judgment and memory in my life, it was since he laid his hands upon me. My bones are rising through my skin. I am now a witness for the reality of religion. This body is going away to corruption, and yet my intellectuals are so lively, that I cannot say there is the least alteration, the least decay of my judgment or memory. He repeated, that the vigour of his mind, and the lively actings of his spirit after God and Divine things, when his body was so low and pained, were a demonstration to him of the soul's immortality.—Memoirs of Professor Hamilton, Edin., 1715.

Mr. Canning died in agonies of this sort. As the destructive inflammation increased upon him, his shricks were heard even in the street, as I was informed at the time. This again corresponds with the undying nature of the soul; that, as such, must feel pain when the causes of pain act upon it, as much in its dying as in its vigorous hour, but not that which has no existence as a personality; no self-identity, no continued beaug, but a mere succession of the results of a material strangement. Thus, both the pleasure and the pain which are felt, as death is parting the union between our soul and its corporal mechanism, attest its immortality as forcibly as the activities, feelings, thoughts, and aspirations at that termination of our earthly association.

That the separation and departure of the soul are involved is mystery which we cannot checidate, arises from its invisibility. What we cannot see or feel, we cannot describe. The decomposition of the hody is the only certain evidence to us that the principle of life has left it, and this is decisive to prove that the soul has left it; because it is a remarkable fact, that, as long as life is in the body, its dissolution cannot take place. The vital energy resists all the decomposing effects of the natural agencies which surround us, as long as it is within our frame; but, from the moment of its departure from it, the dissolving causes, whose action the principle of life had suspended while within the body, begin immediately to operate destructively into it.

At what time the animating spirit quits its material organisation we have no certain knowledge. The last gasping of the breath, or the ultimate sigh, seems like the separation where they take place; but in many these are imperceptible. Two circumstances induce me to think that the total cessation of all functional action and insensibility, which are usually decided and usually are the actual death, may not also be the smancipation of the spirit. One is the unexpected resiscentation of some in their coffins, after every mark of a certain densite, which proved that the soil was lingering within, notwithstanding the apparent death.* The other fact is the restoration to life, a very rare modent, yet which has occasionally

[•] I remember my father showing me in the street a man to whom this had happened. He had a violent authentic cough after his recovery, which was challing him when I new him, and which was necessed to he being laid out and in his cellin for again days in very severe weather.

occurred, of a criminal who had been hanged for the appointed time, and who scemed to be a lifeless corpse.* In both these kinds of cases the soul loses wholly for a time its consciousness, and all its power over its bodily senses, and yet has not, therefore, left its bodily tenement. The precise moment of the spirit's leaving its body is therefore as little known as the exact time of its uniting with it. Birth and death are alike mysterious and inscrutable. Pain from earthly cause amears to cease entirely when the latter has completed its agency; but we have reason to believe that pain is felt by the forming being even before its human nativity.†

I will add a short statement of three more deaths of distinguished persons, which concur with those before mentioned to show such a possession and action of their intellectual principle of life as mark it to be a personal being different from its body, or at least as thinking and acting precisely as if it were so.

GENERAL WASHINGTON.—" He died 14th December, 1799, in his sixtyeighth year. On the day before, while attending to some improvements on his estate, his neck and hair became wet from a slight rais. At night, an inflammatory affection of his windpipe came on, success fever and a laborious respiration. He was bled in the night, and is the morning three physicians attended him; but before midnight, and in about thirty-five hours from the time that he was in his usual health; he expired, without a struggle, and in the perfect use of his reason.

After the attack had come on, he thought it would be fatal. He submitted to the prescriptions of his physicians; but after a trial of their remedies, he expressed a wish that he might be permitted to die without further interruption; after his power of deglutition was gone, he undressed himself and went to bed, to die there. To his friend and physician, Dr. Creik, he said, 'I am dying, and have been dying for some time; but I am not afraid to die.' His biographer, Ramsay, adds, that he submitted to the usage ' with the dignity of a man, the calmness of a

⁹ Mr. Green, in his "Diary," has noted an individual's feetings to whom this kind of death was beginning:—"1805, August 3d, Walked with Feein round the Gave. Feein said a friend of his had inquired a person who had been turned off, and cut down on a reprieve, what his sensations had been. He answered, 'That the preparations were dreafful beyond all expression. On being dropped, he found himself midst fields and rivers of blood, which gradually acquired a greenish tings, and imagined that, if he could reach a certain spot in the same, he should be easy. He struggled forcibly to attain this, and felt no more. "S—Gest. Mag., 1834, p. 475.
† This inference is made from the uncommon circumstance related in

1709 by Dr. Derham, from his own examination, to the Royal Society, and printed in its "Transactions." "The child cried almost every day for aix wocks before delivery, and so load that it could be heard in the next room."—Phil. Trans, 1709, vol. XXV., p. 485.

philosopher, and the resignation and confidence of a Christian.' *—Chehold, 538.

Dr. Pann, the March, 1832, agad seventy-eight. "He was to the last serone and placid; calmly, even cheevfully rengmed. Even in two last hours it accumed to be still his delight, as it had been in his previous ide, to range through the whole compass of the rational crustion, embracing, within his kinded thoughts and wishes, all human brings, and atteracting himself in every yeart in every part of the world, which work a favourable supect towards human improvement and harman neppassus. He gave misuse directions respectively his function. 344.

He gave minute directions respecting his funeral."—In., 544.

Hallian, of desinguished for his anatomical writings and science, died 12th Becember, 1777, aged sixty-nine. "But a few days before his death be employed himself in his favorance occupation of resouching as works. In the midst of his great sufferings he part the flambing lead to his physiciony. In his less measures he employed himself in marting the decay of his organs. He felt his pains from time to time, till he said to his physician, with great tranquillity. My friend, the array we long get beauts; and immediately expired."—Mean of Haller, (Chalmerw's Bing.

Mr. Malthus is an instance of death advancing on the body without the intellectual nature having the least consciousness or foring that such a catastrophe was approaching. His mind had no perception of the mortal change which his boddy functions were undergoing, to auternate their fatal action was preparing. The account of it was Mr. Malthus died at Bath on the 29th December, 1924. "He had just entered his asyonatisth year, but was in the full engywhent of all his farwitten, and his death was totally unexpected by his finends. He tell. Leaden about three weeks ago, on a visit to his father-in-law, at Bath, in good opints, and apparently in strong health, anticiparing a cheerful finishms with his children and other members of his family invited to mest him. But he was taken ill noon after his arrival with a disorder of the heart, which in a few days harried him to the grave."—Attaca, 10th Jan., 1535.

LETTER XXVIII.

Mankind have been created on the Principle that Subsistence should be assential to them.—Instances showing that this was not an indispensable Condition of Human existence.—But, having bren made the Lam of it, we may be certain always of a sufficient Supply.

MY DEAR SYDNEY.

Having endeavoured to lay before you the principal facts and laws which concern our population, and the birth, life, and death through which it passes, as elucidating the Divine plans and purposes which have hitherto been pursued and effectuated in them, we will now proceed to consider the system which has been devised and established for the subsistence of those who thus come into being in our world.

Our bodies have been so composed in their substance and so constructed in their frame as to require this subsistence, as an indispensable condition of their existence, in the manker in which mankind have ever lived. They might have been otherwise made, but they have not. The original design of their Creator was, that food should be as necessary to them as air and warmth. He chose to subject them to this necessity, and so arranged their frame as purposely to compel them to seek and use the things external to them, which they would find on the earth, in order to exist upon it.

But these external things could not originate from mankind, because they cannot create them. He who made them could alone cause this provision to coexist with them, according to his primeval plan of creation. He therefore imposed upon himself the necessity of accompanying the earthly life of his human race with a continual and sufficient supply of the exterior aliment, which he thus made voluntarily and designedly indispensable to them when he created mankind. He therefore spontaneously, of his own free choice, undertook to create also the subsistence for them which they would, from his selected mode of framing them, perpetually require.

But he did not choose to create at once the millions of human beings whom he designed to constitute his earthly population. He did not bid tribes and nations spring up from the earth, as he commanded all the vegetables to arise from He preferred to adopt the plan of making only two human beings in his first paradise, and of preserving only six young parents after his diluvian revolution, with the law of such a gradual series and multiplication of offspring from them, in successive generations, as would place upon the globe, from age to age, such quantities of the human race as he meant to inhabit it. He therefore formed his scheme of mankind on the express plan that they should be always multiplying in continual reproductions; that every one should require a competent supply of daily food in order to keep alive; and that, as this must originate also from him, he would provide it adequately for them as long as he should choose that they should continue living beings on this earth.

This is the simple and correct state of the case. His system of creation made the due provision of subsistence, from mal mature in which he stationed his human beings, that part of his plan of human beings, and of their life as perpetually multiplying beings. By such a plan larily linguousd upon himself the measurity to make it had law in such a creation, that sufficient food should rises to the populations that would exist, and for that should increase as they did, and be always in a conatio, and mover in a contradictory one.

In no speculation in these ideas; they are the natuusions of our reason on such a subject. Our Greator make us so that we cannot exist without our look ose that he did not also intend us to have it would d; that as we are not the creators of it, we could say from him. He must, then, create the provisions such he has framed us to need, or he would defeat his pose, and prevent that human race from arising whom d to perpetuate. No deduction of sciences, therefore, the clearer than the certainty that the subsistence of has been, is, and always will be, carefully superinaid competently provided, in the course and system d nature, in due proportion to the numbers in which living on the earth.

this plainly before you as an irresistable inference, sould be fixed as the standard principle of your mind much mataken subject. He who created us to live. ultiply, and to need continual food, must have made am of the one as certain in its operation as the systhe other. External nature has therefore been so ed, as well as our frame, that the aubstatence shall suredly and an constantly supplied by the laws and of nature which relate to us, as by those which copbody it is perpetually required. No other conclusion s can be drawn by those who believe that we are he designed and deliberate creation of an intelligent not wilfully malignant; for it is unpossible to sup-, such a Creator would have made his human race on iple that the laws of their multiplication and of their we shall be heatile and contradictory to each other; shall merease with a geometrical rapidity, but that led food shall be supplied only by an arithmetical es, certain to familiah and destroy thems who were the multiply and intended to exact in auccountre genera-

tions. All theories, therefore, which place the laws of our nopulation and of our nutriment in this warfare with each other, are palpably at variance with the sound deduction of our reason, if we have been made by a good and wise Creator. They seem to be only suitable to those who disbelieve in a creation by an intellectual being. I was going to add the enhithet benevolent, but I think I need not, for, as such an opposition of laws as the geometrical in population and the arithmetical in food would make the continuance of the human race for a few centuries impossible, no creator, who had even intellect without goodness, and meant to have a continued series of mankind, would have devised or acted on a system that was certain to defeat his purpose. Hence, at the very outset of our inquiry, the very reason of the case assures us that the laws of our population and of our food have never been incompatible with each other, but must have been from the beginning, planned, and put in action, and kept in action, in a congruous, adjusted, and always accordant manner. What is required by the one system must have been appointed to be supplied by the other, as long as human nature is intended to be the inhabitant of its present earth. call this enthusiasm. I think the fanaticism must rest with him. and not with those who make these natural and reasonable inferences; they seem to be the correct conclusions from the authenticated premises.

Such being, in my apprehension, the rationale of the subject, how stand its experienced facts? We find immediately before us the deciding certainty that mankind have been living, and peopling, and increasing for above forty centuries since the deluge, and have always found subsistence for all their multiplying numbers in every generation; and, although they have enlarged from six procreators into a thousand milions that are now coexisting, yet these thousand millions find and obtain as much food as they require, just as naturally and a certainly as the sons of Noah did for their small number. This fact, therefore, fully corresponds with the principles that have been mentioned, and corroborates and elucidates their truth. There can be no enthusiasm in believing a visible certainty.

But when, from our present day, we look back into history, and inquire if there has been a single generation in the 150 that must have been succeeding each other since the renewal of mankind which periahed from the obtainable food being totally inadequate for the numbers who required it, we cannot find one in the whole series. At no one period of past times has such a much appeared, as that any generation was famished from their food not equalling the ratio of their population. Thus the geometrical ratio has never realized its hypothesis, nor ever shown itself to be superior in its operation to that of the subsisting power and means. On the contrary, in every age, the laws of population and of food have been in constant harmony. Whatever number came, they always raised the food they required. The laws of nature have never multiplied the one without equally increasing the other. This has been the invariably experienced fact, let the theory be what it may.

Our bodily fabric has been devised and constructed both on the system of the necessity and of the supply. We might have been formed of unseparating matter, like gold or marble. The particles of our body might have been as adhesive to each other, and as permanently fixed, as those in the columns of the Parthenon, which have lasted so many centuries, or those of the Venus de Medicis, which damp and time have not disunited. Our Maker has otherwise planned our being. He has framed our corporeal form on the scheme that, though it consists wholly of minute particles, and these at all times cohere so firmly as to be solid enough to accomplish all the operations in which our limbs are employed; and for these to act as substantial masses, with great muscular force; yet the same particles shall be also separable from their cohesion, and that continual streams of them shall be daily separating and passing away from us, through the many exhalent vessels within us, and through transpiring pores, which abound on the surface of our skin in a surprising exuberance. What he has thus made to be always moving off, require, by his law and will, to be as frequently supplied by fresh accessions of material substances taking their place, and carrying on the system of our being. Our daily food is the source from which the replacing and repairing particles accrue to the parts which want them; and a due portion of our vascular organization is ever active to carry them to their proper stations. Without this continual supply from our arterial and chyliferous systems, the body would soon waste into an atomy, and the principle of life would depart from it. We need, also, the continual development and diffusion of those serial fluids which we term

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the caloric and the electrical: and these are disengaged digestive as well as in our respiratory process. Fr these and other causes which physiology will explain to our daily nutriment is indispensable to us. We have thus, with a deliberate and determined purpose, so ap framed as to require it. It is not left to our will to take forego-we must have it. We may, indeed, live a few without it, in a pining, inactive, or torpid state; but ! when we are in circumstances that check or prevent t haling or transpiratory process. Thus a woman, a naked, lay buried for six days under the snow, and v being taken out, recovered.* A more extraordinary in happened only sixteen months ago, of a man entombed falling earth of the coal-works where he was working vet continuing alive for twenty-three days without any But, although he lived to be dug out in all his conscious and recollections, yet his functions had been so much i by such a long absence of food from his system, notwith ing his enclosure, that the kindest care could not preve dying on the third day after his extrication.†

* Phil. Transact., 1713, vol. 23, p. 265. So a case of unnature exhibited, in one part of it, life continuing without food. A li about twenty-five, of a robust, fleshy habit of body, fell safeep; May, 1694, and continued asleep for a month, when he awoke as and went about his ordinary avocations. He fell asleep again? It and continued asleep for awenteen weeks, during the last six of he ate nothing. He fell into a third fit of this somnolency in 1 Phil. Trans., 1706, vol. 24, p. 217.

† On the Rth October, 1835, part of the roof of the coal works at Ayrshire, fell in, and before John Brown, about sixty years of agains, and all the substantial and a second of the roof of the coal works at Ayrshire, fell in, and before John Brown, about sixty years of again.

† On the 8th October, 1835, part of the roof of the coal works at Ayrabire, fell in, and before John Brown, about sixty years of ag get out, the falling rains stopped his passage, and he was confine until the 31st of that month, when he was restored to the light having passed twenty-three days without a morsel of food. The substances he took in this time were some tobacco he had with his some atrong chalybeate water which he found there. His mind requite composed, and he counted his time by the noise the mean their stated periods of work.

"For the first and second week he moved about in his gloom which was an area of thirty yards, seeking for some avenue of a but afterward he became so weak as to be unable to reach his a the disagreeable water. The feeling of hunger left him about the day.

day.

"When found, he was lying on his breast on the ground, hes tinet; his extremities cold; his voice reduced almost to a whisp his emaciation very great. He seemed like a living skeletox brother labourers at first cautiously moistaned his parolled used a listle butter, then gave him some milt, and, at regular bases.

Then our existence in our immed life, and our enumerous he mutritions matters to be discrept from it, expense to ourselves, have been linked together in the mint and man of our Creator, and in his executed system of our nature, as some electedy as our vistal presented a with our motion frame. We ser, therefore, be certain that our providing and multiplying has have been accurately administ in each littler, and my aways acting together with the mitter atagneties.

It would have been east for our desire it make it minute beings, with our present human form and much and even functions of body, and to your a musen the without meeting this daily aliment independent to us for he has sucrey, r. some individual cases, that some nearlying manages, even in Our present organs, would produce the effect of a littlest life continuing even for years wrater taking any hote. A hotetich girl in the het century became an examine si tau sur . the lived for thirteen vests without eating .

Another instance of a human being lying for eighteen years without food, and yet continuing at that time it are pastoral occupation, with apparent health or virtue in a Huraand shepherd. Here we fad that ever a moderately active life on earth might have been made the conduct of of name. testure, by some comparatively singut change in the interior experiention, without any food being necessary to its continund life. † These phenomera become amportant to us on thes

erect and cherry in small operation. M.R. was the first thing he had fire. His pulse became propose and strong, and his torque clean il moist. There were great topon of his re-emblabatest, but he tilt to death without my appearance of pass on the night of 3d No-mber, 1985, having lived only tarce days after his liberation."—Ayr

Charvar, 1995, having lived only tarce days after his liberation."—Ayr Chervar, Revender, 1995.

The accessed sent to the Royal Society, and privated in their "Trans-Wilson," status that "a young woman in Ross-shre teek to her bed, history hav speech and the use of her speids. Her paws then became historil, and also sufmed all sustainance. In this state she had continued for thirtony years, when the account was drawn up. Her parents often themseld to convey assertance into her mouth; first, by forcing open by javes, and afterward through the hole left by two of her teeth which all out; just note did not appear to avvallow any of it. At first she drank flustationally assess water, but after some years got up, and employed herbackungly assess water, but after some years got up, and employed herbackungly well as the sum of the state of the lift in splaning wood."—That. Trans., 1777, vol. 67, p. 1. Thomson's lint. Rey. Sec., p. 142.

This well-authorities of instance was related to the Royal Society. Sates Pargeness was employed in taking care of cattle in the Highlands.

hard to the Royal Society. This well-authenticated instance was related to the Royal Society. The Pergessan was compleyed in taking care of cattle in the Highlands. In your 5724, having overheated binnelf by running on the mountains.

Vor. III.—A

subject, because they teach us that there was no physic cessity for making daily nutriment essential to our existence, but that, by some alteration in our functional cies, not perceptible by human science, our present form and actions might have taken place without rec any subsistence for their continuance. It follows, from circumstances, that our need of continual food has been cially and purposely attached to our human life by the. for purposes distinct from our mere existence on carth: being made so artificially indispensable to us, withou actual necessity of its being so, it also follows that he wise made it a special part of his system as to ma that their successive populations should always have fro earth on which he stationed them, and from the vege and animals which he also created to be the materials nutrition, whatever quantity of them the wants he c within us would require. Thus again the conclusion itself upon us, that our population and our subsistem made by his established laws to be always proportion each other.

He has acted still more specially on this point than r by giving us food. He has taken the same care of numerous orders of his animal kingdom; and birds, ser quadrupeds, fish, insects, and every other living creature always what they need. He might have done no mo us than he has done for them. He might have consign to the same kind of aliment, and left us to eat grass like cattle, or what forests furnish, and dig up what roots we find. We see by the monkey tribes that living forms approaching to the human figure might be so sustained their liveliness and activity. But the phenomena which times occur prove even more than this. An instance been mentioned to have occurred in Germany where tual human being, happening to grow up in a wild state habitually and throve in size by making grass his food.

tains, he drank excessively from a spring of cold water, fell sel the spot, and awaked next day in a fever. He recovered, but relish for food, and, for Eighten years afterward, he took as nourishment than pure water, with now and then, during a certair of the year, a draught of clarified whey. During the whole of the continued in his employment, and enjoyed health and a certait ties of strength."—Phil. Trans., 1742, vol. 42, p. 340. Thompses, *This phenomenon appeared in a wild boy, which a recess to

set, for an earthly population of even human beings, no more see the grees which our cattle fatten upon was essentially somisite. But, instead of thus levelling our race to them, he as taken the trouble to devise and produce the corn plants mear use, that we might have bread and flour, and all the unistics of gratifying things composed from them, for our reg-ilar maintenance. He has done this; and after this special ismonstration of particular kindness to us, shall we allow ourelves to suppose it possible that he can have made our popuation and our submatence to be incompatible with each other: hat he can have framed us to multiply with a certainty that. I we did so, there would be no subsistence to supply us as re increased! All these facts concur to assure us that the we laws are in perpetual harmony with each other, and never ave been, and were not made or designed to be in constant entradiction to each other. The gift of corn to us instead of man is a testimony of his philanthropy which should guard us minet all euch distrustful misconstructions of his economy Z berman life. They are unreasonable in all who believe in a lanned and intelligent creation.

Thus we have complete evidence before us that he might

as the Constinent thus describes: I shall give it in the words of the promail to government: "On the 18th March, 1749, two fishermets of Kanyar fassad in the Hannag morase a being whose appearance was that if a wild animal, but who bors an east resemblence to the human flas, except that he limbs were longer, the fingers and tone double the usual longth, and his skin acely and knotty. His head was perfectly mad; eyes amell and sunk; houled nose, and mouth immoderately age. He was supposed to be about ten years of age; and when first them at uses emposed to be about to years of age; and when first them to see a mything but grass, key, or firms, nor would be allow himself to be cirched. After being confined is about a year, he consented to wear clothes, and to est couled virials, and conformed in every respect to domestic habits, and was belief, but it was firsted impossible to teach him to articulate a single yithdide. If at any time he was she to clude the vigilance of his guardian; is towarishly jumped into the most surrounding the resule of Kapuvar, in rhigh he was kept, and dived and awam about in it as if it was his native flassad. In consequence of his apparent adoption of the manners of sam, his guardianc relaxed their vigilance, and he disappeared. It is a sense them afterward by a party of fishermen among the reade and unders on the about of the Konigace, a small lake in that morase, but on imposing them he dived to the bottom and disappeared. After a lapse if cause years he was again seen by another party, and a second time happeared." Rigned Met August, 1753.—thestohen in Germany, vol. 19.

have made a world of such human beings as we are without food being essential to us, or without corn being that food, and might have nurtured us by the grass with which he has clothed the earth, on which we might have fattened like our cattle, though our numbers should become a thousand times what they are; but he has taught and trained us to seek and use a richer nutriment, and has amply supplied all our sultiplying populations with this ever since they began to liveupon

our globe.

What has been we may as justly conclude will continue to be, on this subject as on any other of which we deem ourselves most certain. As the subsistence of mankind has hitherto always equalled the wants of their population, notwithstanding their vast multiplications, always progressively increased as they enlarged, and with a coinciding ratio, and as the same necessity for it continues, our true inference, from the principle of an intelligent creation, will be, that the same concurrence will still occur, and that both will multiply together if either does. We have the same right to rest confidently on this conclusion, as we have to expect to-morrow's daylight, or the next year's spring and summer; for though we have ascertained the laws and actions of the moving forces of our globe, and of the planetary world by which our days and seesons return, yet we have not the smallest ground for the belief or certainty that these agencies and their results will continue for a single hour. We have nothing but their constant operation up to this moment on which we can found our hope or assurance that they will roll us round ourselves and our solar governor. We have exactly the same foundation for the confidence that the earth will always produce the food which its inhabitants require. Our ascertained knowledge of the laws of the planetary movements only informs us of their past and present agency, as the subsistence of the human race hitherto gives the evidence that the laws which produce it have thus far always effectually operated. The prospect as to the future is the same in both cases. We have no doubt that the spring season and its renewed vegetation, and the summer temperature and its fruits, will recur as long as mankind exist. For the same reasons, and on the same natural grounds, we ought to question as little their deriving sufficient food from the earth as long as they shall need it. The maintenance has never yet been deficient, just as the circuitary movements of the earth have never ceased. Yet, for aught we now, they may stop this very night, and daylight never reurn to us. This event is just as likely as that food will fail We are quite as ignorant what the moving force in our play system is, as we are of what the vegetative agency may m: but we know in both instances that they are, and that they et only as they have been created and ordained to do by their Frant Author. Both have been appointed to be what they re, expressly that our world, and ourselves, and our system f living nature, and our course of human life may be what ach respectively is. As long, then, as their Maker means hat they and we should continue, both will be and will act saward in their farther process as they have hitherto done, and no longer. It will be his special will that alone can, and hat only will arrest or change the agency or the results of But as he has caused both to be equally indispensato us, he will no more suffer the one to stop than he will milify the other.

We have, in truth, a more founded certainty that sufficient subsistence will be furnished to us by the cultivation of our sirth, and by the natural means and agencies which have been retained to produce it, than we possess for the continuity of six solar system; for we have received the express promise is an the Almighty as to our food, but none as to the unceasing duration of our diurnal rotation and annual circuit. Immediately after the delage, this prophetic promise was given o Noah, which has ever since been literally fulfilled every day and every year of the four thousand one hundred and eighty-live years which have since elapsed—

While THE EARTH REMAINETH, HARVEST; and cold and met; and summer and winter; and day and night, SHALL NOT TRANS."

Here is sacred assurance which has verified its Divine auhority, and the steadfast verscity of the Promiser, above 4000 isses in the constant repetition of its accomplishment through its that series of time. We may then satisfy ourselves, tem the authority of Revelation as well as from our natural usson, that the annual supplies of the earth will never be insificient for its population; for the promise was made to Nosh, in conjunction with the command for an exuperant multiplication of the human race.*

Having thus contemplated what appear to be the true princinles of thought on this important subject, let us now direct our attention to the facts which our living experience presents to us as immediately connected with it. We shall find them to be in that due correspondence with our preceding reasoning which, if this be just, may be expected from them.

* And God blessed Noah and his sons; and said unto them, Be fruitful and multiply, and replenish the earth. Bring forth abundantly in the

earth, and multiply therein.—Gen , c. ix., v. 1, 7.

The progress of Ireland, both in its population and productions, is a striking instance how these multiply together, and with no inferiority is the agricultural ratio. In 1727, an act of Parliament was prepared compel farmers to apply five acres out of a hundred to tillage and core. "When we see an act of Parliament thus called for to compel the tillage of a twentieth part of the soil then in cultivation, we are pastified in inferring that the land at that time under tillage did not exceed a fartist part of the cultivable soil of the kingdom. We estimate that the ambie lands of Ireland amount at present to at least 9,000,000 acree; and that the produce of the country has increased from thirty to forty fold, while the population has only quadrupled."—Athensum. 1836, p. 902. Here production has vastly outrun a rapidly-multiplying population, instead of being exhausted and overwhelmed by it; for though Ireland has an exuberance of numbers as to their civil employment and due arrangement, she has the means of nourishing a very large increase of them-

† I cannot close this letter without adding, that although I differ a greatly from Mr. Malthus as to his theory of the comparative laws of our population and subsistence, yet it is with the most sincers respect for his talents, intelligent mind, and personal character. It is impossible to read what those who were intimately acquainted with him have express upon his moral qualities and feelings, without that esteem and re which such descriptions excite, and which such a man deserves. be meant to benefit and not to injure society, and believed that be we deling so, I am fully satisfied, as I am that he possessed a highly-edig ened mind. One passage has been quoted from his writings, which think so fine and so just in its mais principle, that I cannot but transmi

it for your consideration.

"It is an idea that will be found consistent equally with the natural thenomena around us, with the various events of human life, and with the successive revelations of God to man, to suppose THAT THE W IS A MIGHTY PROCESS FOR THE CREATION AND FORMATION OF MIND-Many vessels will necessarily come out of this great furnace with wreeg shapes. These will be broken and thrown aside as useless, while these vessels whose forms are full of truth, grace, and loveliness will be wafted into happier situations, nearer the presence of the Mighty Maker."—Edin. Rev., No. 130, p. 500. May this be his allotment!

LETTER XXIX.

a of the present general Superahundance of Produce for the race of Mankind, notwithstanding the universal Multiplicathe Populations of Europe, and other regions of the Globe.

DEAR SON.

now consider the facts as to the general subsistence smal race which our living world is presenting to us; reasonings to which they lead us, and which they warrant.

ret ascertained truths to which I will call your atten-

ave been living as a human race on our globe for althousand years, and on the present surface of it for so thirds of this length of time; so that our Euroarter of the globe has been called the Old World. my younger days, was represented by agricultural Commence as worn-out soil, much exhausted by conprking, and not to be compared with the fresh and unground of the new continent. Yet, although while a was supposed to be yearly becoming thus debilrage in its productive powers, the states of Europe skinded into a larger contemporaneous population planet has ever held before, and therefore calling for d; we find that the depreciated soils of our own coun of our neighbours, notwithstanding their enfeebling , are yielding to us and all, in our annual harvests, our augmenting numbers require. Nor is this only now; but, on looking backward into our history, we in every previous period the ratio of production has en inferior to the ratio of our multiplication; but, on Bry, has continually been the fully equal power. At sent, in what have been deemed the declining years orld, its powers of produce have been superior to its of popular multiplication. Our food exceeds, in its quantity, the present demand for it. We have more n we consume, and more is coming up then will be by the name generation. On what is the unusual

of some-of several political economists, who uphold the Malthusian hypothesis—to have our corn laws abolished. founded! On the vegetable produce of the earth being as inadequate to the supply of the living numbers as the opposition of the contrasted geometrical and arithmetical laws must have long since made it ! No; they require the repeal of the restrictive regulations which keep foreign corn from our shores; on their perceiving and knowing that there is more corn on the earth—now in hand, and certain to be produced -than its inhabitants will need. The demand of free importation arises from the ascertained certainty that the Continent and other regions have grown more than their populations consume, and that this could be brought thence to our coasts at such inferior prices as to be cheaper than the harvest of our own agriculture. As long as our merchants find articles of food abroad offered to them for sale, so long we may be sure that the ratio of vegetable produce is superior to that of population, instead of being at all below it. With this fact broadly before us, it is impossible that this ratio can be, or can ever have been, below the peopling one, much less so incalculably as the geometrical law supposes.

Coinciding with this fact of the mercantile solicitations for liberty of free importation are also the circumstances which I will mention, from the periodical journals of the day, as the best practical authorities. The foreign dealers in 1833 complained of the diminution of their trade, and of the value of corn, and of its fall in price, because there was no demand for it elsewhere to take off the superfluous produce which had been accumulating among them.* The countries of Europe had on hand so much more than their populations wanted, that bad weather was even deemed advantageous, from the hope that, by injuring the shooting vegetation and preventing a good harvest, it would raise the prices of the stocks on sale.

^{*} Thus, in 1833, I read from the foreign journals these passages:
*Konigsberg, December 8. The corn-trade remains in a very dull, leactive state. The demand continuing very limited, has rendered all sorts of corn almost nominal in value." "Hamburg, December 33.
The falling off in the demand for export has caused our stocks to increase. Except local consumption, we have little demand for wheat."
*Stettin, December 20. The accounts of the corn-trade we receive from
*France and England are very discouraging, and hold forth little chance of much demand for foreign wheat, until at least next spring."

*Thus the letter from Bordeaux, Dec. 27, masse, "Daving the less.

because war having long ceased, there was no more that exv consumption which had made subsistence dearer t abundant productions of corn and wine, from their cultivation, were so much beyond the ordinary use that the wine in 1834 was unsaleable, and the corn come so cheap that the landowners in Germany were The German farmers sent abundance to re dealers : but other nations having enough of their see, it found so small a sale as to sink in its money-The effect of our com-laws, which prevented Prussending her superfluity to our market, is represented as causing its land to fall in price, and as destroying itural trade of Poland for its superabundance. 2 So

a the weather has been very inclement, and the rain sknoet in-This circumstance, more than all others, has given to the trade of firmness; but on the return of fine weather we shall relapse

ell and inanimate state."

article from the Hessian provinces, in the Frankfort paper of s., 1834, stated, "We have wine and core. The crep looks ad-The weather is so mild that the spring flowers already show two. We have tranquility and peace. We are contented with pest. We think of an unlawful innovations. We have no ded agusters; and yet we are not happy. For several successive he price of corn was high, and houses and land rose in value ac-cy. At all public auctions, estates sold at high prices. But now or of wheat, which a few years ago was worth thirteen or four-ns, is sold for five florins. Wine, which was then in great de-120 to 136 florins, is now not required for, but the capitalists ent. It is margral that such a state of things must cause mealery. They do not feel any of the happy effects which

as and seasery. They do not feel any of the happy effects which caperied from the new commercial convention, which has consent the blessing of what is called free trade."

Lubsch, Dec. 23. We are receiving good supplies of wheat and r, with some rye; the wheat is fine, weighing full 62 libs a bushel, be districted in the butch and British markets has brought prices

far was population in Europe from overrunning its subsistence in 1834, that a great part of Poland was not in cultivation, and of the land in actual husbandry, though only a third part was raised from it which that portion could produce, yet even this was more than its own consumption required; so that their wheat was given to the cattle, because it had grown more than its becoke consumed.*

The same state of things between population and produce existed also in America in 1834, both in the United States and in our Canadas, though each was so surprisingly multiplying in numbers from immigration, as one of our preceding letters showed. Here also the demand was so much less than nature's supply, that the price of it sank too low to meet the rate of wages, and to return a profit on the capital employed.

This over-produce—its exuberance beyond the consumption of the population, was not in any one country or in the most fertile regions, but equally so in the less favoured ones; for we find Sweden, though so far in the north, and so near gelid Lapland, and so full of heaths, lakes, and mountains in herself, yet had so much more wheat than she wanted as to be urging her government in 1833 for leave to export it.;

From the produce most generally exceeding the demand of the population for it, all countries in some years, and most countries at all times, are enabled and desirous to export their superabundance, even though some of their provinces receive

- * Sir James Graham, in his speech in the House of Commons on 6th March, 1834, referring to the agricultural condition of Poland, mentioned that, "from the statement of Mosers. Armand and Voring, two sast respectable merchants in Dantzic, it appeared that a great part of the land in Poland was in pasture for want of encouragement in cultivating grain. The soil of Poland was lying waste. The cattle were fid as wheat, and three times more could be produced from the land then in cultivation, if there was a market for its consumption."—Public papers, 7th March, 1834.
 - † A Scotch traveller states, "A large capital invested in farming in America does not pay a remunerating profit. It is allowed by all the farmers, both in the states and Canada, whom I spoke to on the subject, that farms do not yield a fair profit for the amount of capital embarked. This is owing partly to the low value of produce; partly to the high price of wages; and partly to the system of bartering they carry on, which makes it very difficult to realize the cash."—Journal of an Excursion to the United States and Canada in 1834.
- † "Stockholm, 5th Nov., 1833. Government intends to allow the exportation of wheat without any duty until the end of June, 1834, with the view of preventing the continuance of the very low raise, at which the article has been selling."—Public papers.

spartial importation. This has been the case in our own country. Parliament, at the revolution in 1688, emeted a bounty on expertation when wheat was at 48a a quarter or believe, and for fifty five years England was an experting country. In the next fifty five years the bounty was constitute discontinued and consetunes renewed. Importation was at times allowed and at others prohibited; but always amounting to a very small part of our actual consumption. In present, retweithstanding our surprising increase of population, we are actually growing more than our numbers use?

Plandera produces so much, from a soil not distinguished for the natural fertility, that although crowded with inhabitants more densely than perhaps any other country, yet, it exports every year one third of the harvest. The produce, as compared with the population, even doubles the amount of ours.

 * From 1007 till 1761, om asjerita id wheat exceeded our imjerita by \$2.000,000 of quarters. There were 73,727,978 quarters a ported in these \$69,000 years, which make an annual average of 427,751 quarters." Cathour on the Carp laws.

9 " in 1797 a specialiste, was prohibited, and in 1765 the lentity on it was descentioned, and imperiation parantled in 1773, when what was under 66s, a lectity of 5s was given to its experts and imperiation was producted in 1791 the housely was continued when under 64s, and organization allowed till the price herain-66s " (b)

of Press 1764 to 1980 we imported 29 294 592 quarters, which make an average of \$20,810 annually. In This would not be total that to the total their personal part of what our present population estimations allowing such persons a quarter, but in that interval we had to supply our errors in Asserted at one person and on the Continent, in Spain, and she where an accordance, and also reconstantly experted.

§ In Reptomber, 1926, an able article is a respectable periodical states, of another of length admitted that the quantity of wheat in England and have dependenced sengual to the consumption, a fact of introduced importance. The agreeafternt year lies been little weaks longer this exacts then less and yet the stock in of wheat in land are larger than at the approximation of the herward of 1924. Since 1920, whether from tester harmonic, or the consumption of increased of 1924 in the polarions for other notes. Beginn for the consumption of increasing the land to a consumer in consumer and postable, during the land three years, including the harmon 1925, then the tester was measure. New Mon. May. Mapt., 1926, p. 112.

If the Made little, after these describing the Presigns Persper, "He is never facilities beyond the enjoyment of norderitie combining the leading from appear according to the leading pays he entry presented by a mean pays he entry presented by another according to the end of the leading beyond his necessary distinguishments," adds, "This is dean appears and which instrictly is the reverse of rich hid, in fact a dean appears and the little distinguish and the little distinguish the according to the according to the little distinguish and according to the according to eight Kinglish area, yell one lives if the principles of the leading of the leading annually or portion of "Backetiffe's Kappetine the Deliver of the Annual of the leading and the leading and the little of the leading and the

" Mr Bowliffe temarks, Soller says that the England there are late

France is also, in some degree, an exporting country, though its consumption of bread is supposed to be greater th ours. Though it occasionally imports, as harvests fluctus vet its exports in 1834 far exceeded its imports.*

I will only instance two more countries as these wha from the indolence of the people in the one, and the compa tive rudeness and steril soil of much of its empire in the otl we should least expect any superabundance. I mean Sp and Russia.

In both these countries the government acts like the Eg tian ruler in the time of Joseph. They collect from the c tivators a portion of every harvest, and store it in magazin as a provision against the deficiency of any ensuing year fr unpropitious seasons. This is done so very largely in Sp that there are above 5000 of these public depositories.† Russia, a similar policy is pursued, to the disadvantage commercial industry. Indeed, it is obviously a measure a half-civilized country only, that has but little intercourse free traffic with other nations; as the supply which dems always brings in is far more efficient and more generally vantageous than any magazined precautions. But be t measure wise or injudicious, it could not be adopted unk the country, in its general harvest, produced more than

souls to every twenty acres, and in Ireland thirty acres to ten perse

Thus the soil of Flanders, far inferior to our own, can austain to the amount of human existence."—Radelife's Report.

The Moniteur, in March, 1885, stated the comparison in figures 1834, and added, "The quantity of flour experted is six or seven its greater than what is imported; and the corn grown on the French; and sold abroad amounts to more than twelve times the quantity ist duced into France for consumption." In 1832 there was a considera importation of foreign wheat, "but in 1834 there was accreally any! portation of it."

† "In foreign countries, magazines for grain are erected by government in different parts of the kingdom, to provide for a scarcity. In Sphare are apward of 5000 of these depositories. Every occupier of is is compelled to bring in a certain quantity of corn, proportionate to size of his farm. In the following year he takes back the ourn and places a larger amount of the new growth. Thus he continues some to increase the stock by these contributions, until a certain measure grain is deposited. Then each party receives back the whole of t corn he has furnished, returning in lieu of it an equal quantity of measurement.

com." Mark-lane Express, 20th April, 1835.

† "In Russis, grain is purchased by the crown, and stored; and
prices advance, from any failure in the produce, the scale is disposed
much under the market price; thus causing a total stagmant of
much under the market price; thus causing a total stagmant of trade, and the ruin of individuals."-Ib.

population consumed. For what is thus collected and warn-bound sount be taken from the part which is not exten. The difference between Main and cureeless in this point in that if our farmers have more than they want or can sail, they bound the overplus in burns of their own , whereas the figure wh government compel the surplus to be brought into their deposition som

In some years the harvest falls short in Myann in some of its promose. This occurred in 1834 in two of them, when imseriation from other countries became measury in the spring of the next year, and was then allowed into two of her ports But then personally is nectified to the voluntary encolerances and secretor to labour of the Spanish people! . a peculiarity which has become bereditary in them and a the alver harvest of South America excited and engineered their imagination. Hones, in 1803 and in some preceding years, they had a deficiency, natured to be unexampled elsewhere, of one fifth to comply I but even this was but temperary; and this indubest secrete, with all their want of skill and industry, and notwalnesdang all the waste, and destruction, and interruptions d Sapoleon's represent watters against their independence, see now beginning to have a small surplus to export, and might have a far greater augeralimidance if they would cultivate more of their cultivable ground ! Her neighbour, Portogal,

^{**}An importation of foreign wheat has been required in lipsin, and he adaptement of wheat is permitted in the posts of Cades and Malage. The priorigal exercity has existed in Catalonus and Aringon. The indemension profer the according and Catalonus and Aringon. The indemension profer the according and interior wherein, as being the haspines, pagineting the finer qualifier in account of their prior. The indemension foreign here an antiversable approximate in both them provement. They have Raymon, 4th May, 1936.

**Though the and of their is accordingly firstle producing in many losses, altered opening on the property of the producing in many in past of corn has been, relatively, very despressionate, away to magistal office of agentifiers and native indefence of the people, it may just yould have be exemitive in the world owned move to nature, along justly and that he exemitive in the world owned move to nature, along the too to today the Malagian. Prof. See 1973, we find that the quantity of corn grown, of every hird, manually 1974, we find that the quantity of corn grown, of every hird, manually to the first deducing the med,

meaned to only 11 VII. (AN) quariers, which after deducting the week, the about, by speece than 2,600,000 quarters, of the quartery requirests for transposition. That there was an empired defice very at one fitting the behavior of the Europa was expected to the chains of we mark distance from farming " 15.

^{5&}quot; But of fare yours the inhabitation have patied from their secure. seen At present, the annual printing is estimated at 21,8% Whi quartore, waring, im everage years, a aurylan in asper of white the birth L. [- 11 m

still imports, because her pessantry will not exert or acquir the common skill and industry of beneficial husbandry. Ther is plenty of land, and would be abundance of produce, be her own people will not raise it as long as they can procure elsewhere. She needs, therefore, cultivators from other comtries to till her useless land and to excite her into a self-me viding imitation.*

Russia is one of those countries in which agriculture is not a favoured object of attention; and her servile peasanty are declared not to aim at producing more than they wast and thus expose themselves to suffering when peculiarities of any season lessen the amount of their crops; nor will the cultivate potatoes.: Yet Russia still finds enough come though unsolicited, to export both from her northern province on the Baltic and from her southern districts on the Blad Sea. \ Hence, although Russia has, from colonization and conquest, so much multiplied her population, as we have no ticed before, yet she has fully within herself the means of subsisting them, if she will put them into use; and this she always does unless when accidents of the weather occasion in some portion of her vast dominions, a partial scarcity.

quarters. There are still 2,000,000 acres of land which might be readent productive."-Mark-lane Express, 4th May, 1835.

"Portugal, to grow her own wheat, would require the cultivation a 50,000 acres, in addition to the wheat land now cultivated. The Parts guese sytem of cultivation is the worst in Europe. All the native farmers have as much land as they can cultivate; the augmental must be made by foreigners. Men can be hired at harvest for a shift or eighteen pence a day, without food."-Ib., 11th May, 1835.

† In Russia, "the most fertile provinces are those in which agriculture is most neglected, because the landholders are induced, by the prevail rage for speculating in manufactures, to devote their fields to other pe duce than that of corn, which they limit to their own immediate of

sumption; so that, if a harvest fail, they are without any provision is their harns."—Sushing Mercury, Jan., 1834.

"The cultivation of potatoes is also neglected in the greater part of Russia, because the followers of the Greek Church have a decisied so pugnance to them as food."-Ib.

" Extensive exports of wheat and rye were annually sent from Exsia to the lower Baltic ports, and thence to England, Holland, Fra

and the Mediterranean. A large portion of the imports into the l terranean consists of hard wheats, for the manufacture of m which are drawn from the Russian ports on the Black Sea."-Ne Farmers' Journal, 27th Nov., 1933.

"The Russian Crimes has hitherto been a large grower and expense of corn."-Ib., 18th Dec., 1633.

|| See before, Letter VII., note ||, p. 56, and || p. 57.

ig more estisfactorily shows that the whole earth is at this late period of its chronology, and with its begulated population, producing on its general surface over than its so-multiplied numbers need, than our persence of what takes place when, from the variathse weather, a failure of its usual harvest or of a suffered happens in any country. Does that population perial because its food, from that temporary event, give all of it their usual supply? No. Plenty exists e, and is brought from the superabounding to that a the moment is deficient.

the southern provinces of Russia, which usually exth from the Black Sea to Turkey and the Mediteregums, were bound, from the unusual drought of the in 1833, not to yield that quantity of their articles of see which their inhabitants in the ensuing year would What occurred ! The people were not left to die, in remetal locality, of famine from the temporary depritheir natural auguly Their government, aware that irts of Europe had what they wanted, opened their foreign corn, and invited innortations. By such a a we learn that Russia, in ordinary years, so depends · can aufficient growth as to prohibit the introduction stence into it-a proof that her general production er consumption, intwitted and the vest and varied But while her southern districts thus suffered. there provinces had crops to their wishes, t and so ore than their needs required, that the government com them a large portion of their harvest, to convey and

ary 3(th Jan 1834. "The Consul of Russia has jest pubfailowing notice." The harvest having failed in several of the stain true south of Russia, an ordinance of the ministers, a July 1833 has for read the free importation of corn, by the be Black has lamited and the Pens of Audit and on the land the sometimes of the empire, at all the points of the customshirten of Rationius Parents, and Ismail."

approximate province of the pr

lournal, 12th Feb , 1824.

sell, at the prime cost of it, to the other parts of the kingdom that were in want of it.* The merchants of Europe eagerly brought to Russia what she required from their superabundant stocks, which were disposed of by the authorities in the same manner.† In this same year also, though they imported corn, they had grown and experted an unusual quantity of hempseed, which might have been used for food.† The Russian peasantry use a much coarser diet than ours meal subsist on. o

The same test of nature's fertility and exuberant bounts of produce, exceeding the demands of the new increase of population in this fancied old age of the European seil, has been still more strongly presented to us in the last year, 1836 by America. The United States, being chiefly agricultural and replete with rich vegetable earth in all its vigour, and fall of new states and populations emulously employed in hosband ry for the purpose of sale and traffic, and which thereby have been a kind of granary-asylum to the rest of the world; this industrious country experienced from unfavourable weather. such a diminution of their ordinary harvests last year, 1896, that, instead of contributing, as usual, largely to the food of other countries, it has been obliged to call upon Europe to help it from her superabundance; nor did she call in wain. Every part of Europe had enough and to spare, and therefore gladly heard the new and unexpected demand; happy to know

[&]quot;" In all these more favoured districts, the government purchase large quantities of corn, and particularly rye, at mederate prices; and while the navigation was open, large supplies were imported from favigation. All the corn so purchased is deposited in magazines in the southern provinces, and sold to the indigent inhabitants at prime seet."—Now Farmers' Journal, 12th Feb. 1834.

[†] The pressure of the deficit, in this autumn of 1832, marks by in contrast the naual sufficiency or abundance of their harvest. * Served et the provinces which in other years, as in 1817, could spare 100,000 casks of rys alone for the supply of other countries, have now companitively nothing for the maintenance of their own population. *— Ib., 12th Jan., 1534.

^{1 &}quot;Riga, 23d Dec., 1833. Hempsecd. This year's expert is greater than ever before, 100,000 berrels, of which Belgium alone has received 80,000 berrels. This crop is considered abundant; but it is almost expected that this article (hempsecd) will be partly used as a substitute for corn in those provinces where the crops of the latter have failed."—Pereign Papers.

Foreign Papers.

§ "Here the lower orders of people exist principally on black bred and greats, as potatoes form a comparatively small portion of their feet."

New Farmers Journal, 1st Nov., 1833.

hat there was a distant market which would take their superfairly. This abounding state of produce in hand was so send to the New World part of her hay. † All that was wanted has been, in due course of the navigation, taken to it; and, what is perhaps more extraordinary than the necessity, at a much less price, though several thousand miles off, than her citizens had to pay for the same articles from their own back settlements.‡ How expressive is such a fact of the superabundence of European stocks, notwithstanding their universally multiplying populations!

All parts of Europe seem able and desirous to export. France even seeks to supply us with potatoes cheaper than we can grow them. The Italian ports, even Naples, complain of the dulness of trade, because there is no foreign demend for the corn they are ready to export. | Italy is also now growing the hard wheat it used to fetch from the Russian ports on the Black Sea. T Even regions so near the frezen zone as Archangel have so much produce to send out of the country as to load several vessels with it.** The great

s made after all allowances consequent upon increased economy."—New leathly Mag., 1837, p. 149. † "A vessel is about to sall with a cargo of 10,000 stones of hay from therdess, and a larger will follow from the Clyde."—Ib., Oct., 1836, p.

* Bt is stated as a new and curious circumstance, that wheat may a shaped from the Baltic and Mediterranean at about half the rates herged upon the same srticle from Rochester to New-York, and about no quarter of what is charged from Ohio."—1b., Jan., 1837, p. 148.

ne quarter of what is charged from Ohio."—15., Jan., 1837, p. 149.

§ "An memonae exportation of potatoes is at the present moment using place at Havre for England. The price has doubled there within he less mereth."—84s ndard. 6th Jen., 1837.

§ "Negleen, 27th Bec., 1634. The demand has subsided. Gnod Burstin wheat may be had at 20c. a quarter, put free on board." "Leghorn, 1838 Bec., 1834. The corn-trade is in a dull state; white Tuecau wheat, 5c."—New Parmers' Journal, 8th Jan., 1834.

¶ "At Odessa hard wheat is realizing above 45s. a quarter, and the make was themical. It is, however, fortunate for Italy that its entire

- An article in the foreign papers from this port on the White Boa, in

A respectable periodical, in January, 1837, thus states the circum-menter.
 In America the wheat crop is very deficient, and the necessity of the importation of 5,000,000 bushels is anticipated.

author way limited. It is, however, fortunate for Italy that its entire beautiance on supplies from Odessa, Teganrog, and Marcanapoli has some of tisse years diminished by the cultivation of hard wheat in Apulia, making them to make macarone from their own wheate. This is the supplies that the proof, and the favourite article of Good of the superse diseases of the Nespolitens."—Ib., 27th Nov., 1823.

reason of Prussia for establishing throughout Germany new custom-house league, for the exclusion or repression foreign commodities, except at unsaleable duties, aimed p cipally at our manufactures, has been stated to be to con us to admit their superfluous corn-produce into our island

What all the above-mentioned facts concur to show to true on this subject is likewise confirmed by the acknowled result, at this time, in our own islands. Although our most have increased beyond all former proportioms, yet production of food has also augmented still more. It has hoften asserted, and theorized by many till it became an he wal notion with us that we did not grow enough for our

November, 1822, shows this fact: "Archangel, Nov. 22. Grain seed are our staple commerce with Holland. But the quantity but down this autumn has been deficient, and fifty-four vessels less the 1823 have cleared out for Holland." This diminution was owing a failure that year already noticed. Russia also chooses to grow as port a great quantity of linaced as well as hempseed.

The German States which in the beginning of 1835 had joined in league were mentioned to be—

Prussia		,						13,000,000
Bavaria						- :		4,000,000
Wurtemb	DUTE			- 1			÷	2,000,000
Kingdom	of 8	axon	v i	•	•	:	•	1,300,000
Saxon D			, .	•	•	•	•	600,000
Grand D	uchy	of B	aden	•	•	•	•	1,100,000
Principal	ity	CN	-	•	•	•	•	1,100,000
Duchy of				•	•	•	•	350,000
Duchy of					•	•	•	600,000
				taat	•	•	•	700,000
Frankfor	FIE	• Cit	у.	•	•	•	. •	60,000
Other sm	MII 2	Kates	•	•	•	•		590,000
	_							
	To	tal jo	ined					- 94,300,000

			Tota	l joi	ned					94,300,000
These	which	the	a had	not	acc	eded (io the	uni	oo 'w	mra —
	A vetri									10,000,000
	Hanov	er .								1,500,000
	Duchy	of I	Brun	wic	k		:	·.	:	250,000
	Duchy	of C	Older	bur	rh			-		950,000
4	Grand	Duc	by o	Ma	ckle	mbura	'n	•	•	500,000
	Duchy	of F	Tolet	ein s	ınd	Laner	hnr	rh .	•	400,000
	The th	700	Hene	T	-	-			•	
	The At	ree .	13.0	6 10	W	s .				250.000

13,150,000 German Paper

I believe some of these, in the last two years, have adopted it. I ever endeavoured to establish a counter-league, but this has been g up, as the Prussian league will most probably also dissolve, unless tituded for political objects; for it has been stated that the Prussian comment lost by it. in the first year of his working, nearly 2,000 been at the probability of the first year of his working, nearly 2,000 been at the probability of the probab

sumption, and therefore needed an importation from abroad. this presumption our enterprising merchants speculated in purchase of large quantities of foreign corn, and lodged a in their warehouses under the bonding system, expecting the rise of the prices here would allow them to bring a importation into the public market.

or this event they have been waiting above three years; although, during this time, we have been subsisting solely par own harvests, and have been increasing in our num, and therefore in our consumption, yet in neither of these re, nor at the end of them, has our own supply been found mequal to our demand as to raise the prices to that amount ch will allow the owners of this bonded corn to bring it the market.† Our stocks and harvests of our own growth e been so much more than our population has needed, the prices of corn fell last year, 1836, almost below a reperating amount; and although they have become higher, no signs of any scarcity of our domestic supply occur; token whatever that there is any want of the bonded for a corn. That, therefore, lies still in the warehouses, giving

"Of bonded foreign grain there is not less than 500,000 quarters in chouses, a quantity equal to the average importations of a long series sare while England did consume foreign wheat; and, of course, a good ree: since England, for the last five years, has exhibited no want of ign assessmence in substaints her increased and rapidly-increasing sixtion."—New Monthly Magazine, December, 1836, p. 528. The sixty of foreign corn and grain in the warehouses at the end of 1834 i thus stated officially from the Custom-house on 20th December, is:—

					Qrs.	Busi
Wheat					627,587	-
Barley					160,100	
/_ee			•		331,494	3
Rye .					5796	7
Peas .					8874	_
Beans					42,445	1
Indian Cor	n				636	8
Buckwhee	t				. 33	-
					1 176 807	

Flour, ewts. 343,576
"Near a million of capital has been three years set fast in the bonded

The last four years have decidedly shown how nearly equalized is send and supply; even under the continued increase of the population, is has been found not only a sufficiency, but a suprebundance.

a demonstration, as long as it is there, that the ratio and preduce of our agricultural food still equal, or, to speak with still more precise truth, still exceed the ratio and the wants of our increasing population.* This is another proof that the laws of our food and of our multiplication are not in opposition to each other, but are in steady adjustment and so kindly propationed, that, as I have inferred before, our subsistence is always in advance of our population instead of being inadequate to it. This bonded corn remains still locked up, as the spring of 1837 is advancing, because we grow enough without it.+

Another fact which indicates the universality of nature's superabundant produce in this period of our world is the circumstance that, in the Duke of Wellington's campaigns in Spain, when it was necessary for our commissariat to import into that country large and continual supplies of food for our army, and often for our allies; notwithstanding so much come went from this country as to raise its prices to an extraordinary amount, yet a large portion of the required supplies were also obtained from the harvests of some Asiatic regions and contiguous isles. Corn was shipped from the eastern ports of the Mediterranean and Egean Sea in such large quantities as to enrich the active agents in this new and unexpected traffic.1

With all these facts before us, can we allow ourselves to

^{* &}quot;It is ascertained, beyond all question, that notwithstanding the increased consumption, and the harvest commencing three weeks later than last year, thus augmenting the consumption by one seventeenth part, there were stocks beyond what used to be considered the average of the kingdom at no very remote periods. This fact, taken with asother, that no foreign corn can have been consumed in England for the last three years, proves incontestably that a crop a little above the average will produce considerably more than is required to support the population "—New Monthly Mag., Dec., 1836, p. 286.

f "There are in bond 500,000 quarters of wheat, an amount fully equal to the average demand for a long series of years previous to 1818, resty to come forth the moment the averages shall allow."—Ib., p. 529. The official return was 627,557 quarters.

[&]quot;The stocks are so far from being exhausted, that we know of farm ers who now hold three years wheat."—Ib., 115.

[‡] I have mislaid my note of the authority from which I derived my knowledge of this curious fact, but I think it was from one of our quarterly periodicals, and that our consul in Cyprus was mentioned as the individual who had been zealous in procuring the wanted corn, and had been one of those who had deservedly profited largely from his patriods activity.

nieted with such an unfounded fancy as that population rs its subsistence, or ever has, or ever will! as is visible from the present astonishing numbers of d: and this is a pledge that it never will. I again a your notice that we have no other pledge or certainty n beholding the sun, or for another summer, than our perience of their continued recurrence. All the busiour worldly life, and all the attachments and concerns social life, are mainly founded on the same assumed ie, that what always has been, in and from the constiif nature, will continue to be as long as the same system However mankind have multiplied, the subsisting a of nature have, from generation to generation, equivmultiplied with them; and it is because this has been rular and successive fact that we are here, in the five id eight hundred and forty-first year of the world, with coexisting populations than ever appeared together on ace before, and yet with a greater quantity of food in an all these augmented numbers need. Instead, therethe Malthusian theory of the contradictory ratios of tion and subsistence being a grand discovery, let us leem it one of the most fallacious suppositions that ever an ingenious and amiable mind. The able and valnen who still support it will, as they extend their intions, be in time disinclined to continue their adherence

you will say or feel. Is there, then, no want-no desti-Are none in beggary-none without food, or almost g from not having a sufficiency ! I answer, Yes: there poor and needy in every land. But this is a different n from that of vegetable nature not producing what pulations of the earth require, and ought never to be aded with it, although they are perpetually argued and upon as if they were one and the same. nistake. They are subjects quite distinct from each One—the natural supply—is always a question behuman nature and Providence; and my conclusion and ty on this is, that Providence has always given, and will give, in the annual produce of his earth, as much populations upon it must have in order to subsist. This sufficiency has nover failed wherever due and practiultivation has sought for it. The harvests of bushendry have always been enough for all; and the proof that the fact, notwithstanding the myriads or millions that in want or penury at the present moment, or at an point of time, appears in this accompanying fact, the is everywhere now, in the possession of the other por the population, enough for all that need, if distributed want. It is not because there is not a sufficient one the alimentary articles on the earth that any are in w is because they have not the means of purchasing or of what they require from those who possess. If they ! trading medium, they would find in the public market where the sufficiency they desire. Poverty and wa therefore, the topics of an individual question between and man, or between each person and society, and not l mankind and Providence. This important topic shell particular subject of a future letter.

LETTER XXX.

Grounds for a Rational Assurance that the future Multipli Mankind will find sufficient Subsistence.—Provision made is for this by the quantity of Ground left hitherto uncultivated.

My DEAR SYDNEY,

That there are now sufficient articles of subsistence the inhabitants on the earth, in their actual possessic circumstance which could not have taken place unless ties of food and population had been concurrently act advancing together, with a similarity of increase, inste dissimilar or contrary progression. But as the sam were as practically true in the reign of William the I now under William the Fourth, and equally so under t dors and their predecessors, and, indeed, in all the periods of which history has transmitted an account, assume that there has been a constant adjustment estimated effectuated between the natural supplies of our fit the natural enlargement of our population; and that the original, and has been the continued plan of our citate this result should always accomment our earthly so

perience and language of the past become thus an assuophecy of what the future will be in this respect to us, is away all reasonable grounds of doubt or uncertainty; it; because, before mankind can become too numerous is food, this adjustment must be dislocated; the laws encies which have hitherto produced it must be susor abrogated; and the very plan on which the course re and of human life has been carried on ever since the must be fundamentally altered.

st only that there will not be this mutation, but that the constitution, and order, and succession of nature as to d and population will continue to be as they have hithern, and we are then secure from the disaster and misery swerpeopled and starving world. For at no ascertain-sint of preceding time has the earth been incompetent port the populations which have inhabited it; on the y, it has always yielded the required supplies, whenever been resorted to, by easy and practicable cultivation, to e them. It has, up to the present moment, been able ntain every generation which has dwelt upon it, although man race have been increasing from six parents to 800 10.000.000.

the earth could not have thus increased its nutritrous tion, in continual proportion to its enlarging population, it had been created on the plan and purpose that it do so: for there must have been provided means and es according to a previous design in order to cause n effect; and there was no reason but the Creator's at there should be corn, or alimentary roots and plants, l as roses, clms, grass, or thistles on its surface. cant to be material of our nutriment has been specially I and intended to be so; and to be always as long as hould need them; for it would be imputing folly to a r to suppose that he meant the human race to be on the for several thousand years, in a series of generations. ding food, and yet so framing nature as only to yield ence for a portion of them or for a few centuries. s an equal arraignment of his intellect to imagine peaning and causing population to multiply as long as on this globe, he has not also so constituted his sysour subsistence that this shall continue to increase its s in due proportion to our multiplying in number. Otherwise, as we have already suggested, he puts himself into contradiction with himself. He wills on the one hand what he does not will on the other; and this would convert creation into a chaos, and be incompatible with every rational notion of an intellectual Creator, and with that skill and judgment which all nations and ages have descried and lauded in the rest of our mundane system.

On first principles, therefore, independent of all calculations on the facts around us, we may be sure that there is no more reason for our doubting or disbelieving that our nesterity will always have a competent subsistence, than there was for our forefathers, in the days of Queen Anne or of Queen Elizabeth, anticipating that we should be starved. The apprehensions raised by the Malthusian theory resemble those which agitated so many of our political reasoners during the reigns of all the four Georges, that every augmentation of our national debt would be an advance to national ruin. We see, by their parliamentary speeches and pamphlets, that this calanity was feared, and confidently predicted in every generation; and I believe, with great sincerity of thought and feeling, myriads, meaning no error or evil, in the days of George the First, would, from their ideas and materials of judgment, have pronounced it to be impossible that, before the third sovereign of that dynasty should die, our funded system should increase to £800,000,000, and yet the nation be more prosperous than ever. I do not arraign their understanding for their mistaken anticipations. New events and causes have come into action since their day which they did not foresee, and therefore could not reason on. This will always be the case with every theory in the succeeding periods of our world-Science, arts, and nature itself will be always evolving new facts and operations, which will make all anticipating reasonings and measures concerning them more like fallacious speculations than serviceable precautions. We shall shackle posterity more than we shall assist it by such provisionary activities.

New facts and phenomena, bearing strongly on their subsistence, must be expected to occur to our succeeding generations as they have arisen to ourselves since the parliamentary regulations of the sixteenth and seventeenth centuries. The past will always be education and instruction to us, and no wise man will omit carefully to study it. But the future will be, or, less and less an exact copy of it. Many general of likeness may remain, but the individual features, at habits will be always changing. If, then, our folopulation about enlarge in proportion to us as much ve done in comparison with our state when the Stuart closed, they will find their subsisting resources inom new means, agencies, and circumstances, which create or discover, precisely as we have been doing accession of George the Second to the reign under vare now flourishing, with abundant subsistence usually to us. The superior causes from which these arise wine windom, care, and hencyolence—never change; hear windom, care, and hencyolence—never change; hear we may always rely, as sternal principles which ry, and which never will be meffectual to us.

i not, therefore, act from matrusting apprehensions our posterity on this subject than our ancestors did Let us legislate on existing evils when necessary, an possible ones, and never on alarmed imagination danger bravely when it comes; but let us not fight aims and spectres of the imagination which have no reality. Our predecessors wisely left us, as to our eality. Our predecessors wisely left us, as to our nature, to Providence, and to ourselves. Let us, in mer, leave our descendants to their own resources, and exertions about it. They will have the same ad Providence around them as all manking litherto

From these they will receive as satisfactory benereceding times have enjoyed. They will not have musty, enterprise, and industry than ourselves; but have more knowledge, more ever-used nind, better I habits, and a more enlarged and enlightened judgneven we possess. With these means and advany will do better for themselves than we can do for not will only simile at our apprehensions that, with ad and such a system of external nature on their side, uld be doomed to perish by famine because they and multiplied, as they were created to do, and as in every period, so happily and prosperously done, a, then, repose calmly on the fact, that secrety has been anothed requirity from the natural system of

a, then, repose calmly on the fact, that access has been supplied, regularly, from the natural system of oith the food it has required. We have, in this adserted of the world, enough for our present wants; he providing causes from which this sufficiency has I—C c

resulted to us are still in their efficacious operation. cover no signs of diminution, of general failure, or of sing insufficiency. The same benevolent plan, and a sociated purposes, are in steady execution; and t principle of our trust and hope has been delivered to the highest authority-" Your Heavenly Father know you have need of all these things." As long as he m to exist on earth, nature will be made to yield the which that existence will require. We must be ex from his creation before the result can be otherwise laws and processes for our nutrition will not fail until to cease, and then we shall no longer need them. then, not look with an evil eye or a fearful mind on creasing population; nor seek or desire to repress it. vise or pursue any measures for this purpose, to the i inconvenience of our present contemporaries of any or class; and, least of all, of those who are in themse most helpless and powerless, and unable to plead for selves. On the Malthusian hypothesis, enlarging po is an evil. By nature it is given, and in revelation it resented as a blessing. The more largely the su studied, its benefits will be more fully seen, and more putably appreciated. Why, then, should we be so u ungrateful to its Author as to deem it a malediction? new-comer will have a right to protest against our goo or good feeling if we do so; and will deny our right to him as an intruder or an annovance. By his superior i ments he will show that he has a greater right to the ance and enjoyment of a life on earth than ourselves. qualities, or attainments be the criterion. We have vantage over those who preceded us a century ag successors will be as much more progressive beyo selves. They will come into this world as we hav If they have no right to emerge into birth, neither Their natural title to existence is, therefore, the same They will be, from their additional improvements, a of the human race superior to what we are. Instead fore, of attempting to suppress their appearance, or proach them for it, we ought always to welcome the and cordially assist to train and guide them to that gradation of our common nature which they cannot hibit. But the increase will certainly make due r to be adopted, in order to put all who are without provision into a proper position for attaining, by man and conduct, the maintenance they will need. is such an apparent certainty that the new generach are to arise will be a series of transcending grap what we are and to each other, that I cannot but the symptoms of our multiplication and of its probassuance. They must surpass us in knowledge, bewwill be continually acquiring new accessions of it science, in every path of inquiry. They cannot but The mind, as one writer truly said, cannot unknow: nore it knows, the more it loves knowledge, and expleasure from it, and, therefore, will always sook to and enlarge it. Knowledge cannot increase in any put enlightening his mind, and, by giving him more naterials and wider views for judging upon, must enjudgment. But augmentations of knowledge and t must act upon the conduct, if not fully, yet always suportion, to their amount. Every one will find this himself, and a generation will act more rationally, hings, with increased knowledge and indement, then lo without them. Hence moral conduct cannot but as experience increases, and its resulting good sense more common, and will also not only become most to every one, even in worldly things and circumbut will be perceived and felt to have this issue, and therefore, practised from self-interest in the selfish, is from nobler impulses in those who love and seek suty, as soon as they discern and understand it. A it of higher moral hearing has already risen in socir successors may have their vices and errors, but I have beneficial differences from ours, and will not that augmenting melioration which will be always to lessen their power and consequences. The

age is doubtless past when riderals or danger is to be encouno defence of truths sternal and immetable, and the time, we never serve, when high and honoured minus shall be again with all the is unascend in merals and machievous in otherbrighter or a har new desenad, in which genius will fulfil its stay; and all that is brilliant in talent and elected in white lied in the rance of our meral and religious interests."—Edub. in., 1877, No. 120, p. 202. I honour the thelms, with the tenwhich desented this passage. more enlightened must, on numerous occasions, think and act more rightly than the unenlightened; the clearaighted must see better than the blind or dimaighted. They cannot do otherwise. They might be more mischievous, if mischief would be serviceable; but, as this can never be the case beyond some temporary effect, nor without punishing reaction or results on themselves, right conduct and wiser mind will increase as population continues and enlarges, but will never be so great or operative when that is stationary as when it multiplies.* But all increasing national populations must, like all individual children, have a proper juvenile education. No civilized society can be comfortable without this; as the omission of it would leave those who are without it to grow up with the minds and feelings of the uncivilized communities.†

Our good Bishop Hall was in the Netherlands between 1600 and 1604, and some facts which he mentions of what he saw strongly show the improvements which have accrued to them with their increasing population. Of Lucar, he says, "The streets are moist with bleed, wherein there is no day, no night that is not dismail to some. No law, no magnitrate lays hold of the known murderer if himself list. For three days after this fact, the gates are open and justice shut. Private violence may pursue him, public justice cannot. In every corner is a maumet (an image); at every door a beggar; in every dish a priest."

Of Sra, now such a fashnonable resort, he remarks, "a village famous for her waters of iron and copperas. The wide deserts on which it before are haunted with three kinds of ill cattle, freebooters, wolves, and witches, though these last two are often one." It was one of the finders of the day that the wolves which worried persons in the towns and villages were human evil beings who assumed that shape. This was a theory sinficiently abourd; but the fact that the country was so uncutivated as to have those animals, and that they were numerous smoogh to do much mischief, is not lessened by the hypothesis adopted to accept to the work of the work of the same, though not what he saw, though not what he seem the village"—near the now celebrated Spa: He adds, "Along our way, how many churches saw we demolished, nothing left but rude heaps! If there had been no Hellander to raze them, they

"Along our way, how many churches saw we demolished, nothing left but rude heaps! If there had been no Hollander to raze them, they would have fallen of themselves. Churches fall and Jesuits' colleges rise everywhere. There is no city where these are not either rearing or built." These circumstances are mentioned in his "Life".

t No sentiments can be more true or useful than the concluding remarks of the English Poor Law Commissioners: "We are perfectly aware that, for the general diffusion of right principles and habits, we are to look, not so much to any economic arrangements and regulations, as to the influence of a moral and religious education. As soon as a good administration of the poor laws shall have rendered further improvement possible, the most important duty of the legislature is to take measures to promote the religious and moral education at the habituring

species to me that populations cannot now multiply at improving. The fact of the multiplication carries to the evidence of the improvement; for, without the rol improving causes, nations cannot enlarge. They saver multiplied without such progression; and never to multiply until the improving action commences which and accompanies their uncrease. All my historical ections lead me to these deductions; and, if they be just, altiplication of every population must be a good to husture, and, therefore, a pleasure to its great originator. Sopulation can increase, without evil to ourselves or to sterity, even from the natural means which are now in acc, we have satisfactory grounds for believing. I will briefly, some of the facts and reasonings on which I entraise outpution.

in these remarks I bey you to remember that I am ering the subject now as between mankind and their so only. The subject as between man and man will be reconsideration. From him will come always enough; this is the point which I am at present contemplating, a things are, of course, necessary for all populations—o cultivate, and alimentary substances to raise by the stion. If, then, we are to multiply beyond our present

." The first four aignatures to this report are, the Bishops of s and Chester, Mr. Murges Bourse, and Mr. Beistor .- Report on # LAWS, p 202 my refer to the present state of Ireland, as stated in the speech of n Runaril, on 13th February, 1937, on detailing his plan for the ction of poor laws into that island, as illustrating some of the smarks. He said " From the statement of the Poor Law Comters, there were nearer three millions than two millions of bersons ad who were in a state of almost absolute destitution, a large son of the Irish population practised mendicancy during a considproportion of the year, the larmers were obliged to contribute to the fractice of the frish farmer to set saids a pormusliy of his potatoes for the mendicants who came to his door." is see, that although one third of the Irish population were in a I description and mendicancy, yet the farmer had the pointies to sm. Thus the fond had yielded enough for all as between men larm. And that the great multiplication of the Irish population an accompanied by improving agencies, we may also infer from r againge its his lordship's very able and comprehensive sports. post also look to the GENERAL INPROVEMENT Which he was in-, sa every quarter, was now proceeding in Ireland " . Hiand , 10th ey, 1927. But his whole speech shows that multiplying popula-square new and wise measures so they arise. Killightened policy i in these a great benefactor to unclety.

C (2

numbers, it is essential that there should be ground for the new multiplications to till and fertilize. Our first question, therefore, will naturally be, Is there on our globe territorial surface now unused or unoccupied on which an additional population may exert its productive industry! The geographical answer to this inquiry is, that there is on the earth plenty of soil now lying uncultivated, from which future numbers may derive the subsistence they will need, as long as for any useful purpose we need extend our calculating foresight; and this appears to me to be another instance of the Divine government of our population, and of its continual adjustment to its needed subsistence; for large portions of the earth have been kept unoccupied by agriculture until this period, when the new laws that multiply population are brought into action, and make more available surface necessary for its use.

It was shown, in a letter of our last volume, "that one sixteenth or seventeenth part of our present dry land would be quite enough of available ground to nourish, at one time, the greatest amount of human population which has hitherto been permitted to be, contemporaneously, upon the earth, all living as our countrymen do.* Now, from this fact, we find that there is land enough to subsist sixteen or seventeen times more than all our existing populations amount to, even in the present low state of general cultivation and produce. This truth gives to any alarm on this subject the character of absurdity. It was also mentioned, that it had been calculated, on very probable grounds, that China alone could, if properly cultivated, be made to supply at least five times the amount of all the human race now on the earth, and apparently many more.†

Let us pause a moment to reflect on these circumstances; for they lead us immediately to observe that the Creator, intending, in this age of our world, to cause his human race to multiply more largely than they have hitherto done, has hitherto kept them in this smaller proportion to the habitable surface of the globe, in order that there might be land enough

^{*} Sacred Hist., vol. ii., Lett. XXL

It was there shown that China contained 640,000,000 of acres which might be cultivated, and that an acre of rice would afford a supply of rice for ten persons for a whole year in the southern provinces, and five persons in the north. Rice is the natural food of the Chinese. So that the agricultural produce of China might be increased, even by their present mode of cultivation, so as to maintain from 2000 to \$,000,000 of people.

sir new generations to occupy and cultivate when his ea for their present multiplication should be ordained to Hence our species may fearlessly multiply from roused millions to sistem times that number before vill have occupied the ground which now her ready for But, large as China in, yet her soil may be supnot to be more than one tenth part of the surface of all at of the continents and islands of our planet; and, ure, if she should be made to subsist five times the st of the present human race, the inference will be, that nd may go on multiplying to fifty or staty times their at amount before all the auriace would be fully cultivated. re have no authority to suppose that the human race wever carried to this extent, nor that the present world at long enough for them to do so. Revelation assures it a period of the dissolution of its present form has been and to arrive, though it has discontaged the vam attempts n to fix the time of its arrival, by declaring that none a Ahmighty Pather yet knows when the awful consum-But, as many centuries will yet revolve n will occur a mankind will find the land of the earth to be maufficient ear maintenance, we need not carry our thoughts so far. mough that many intervening centuries must take place · mankind can fully cultivate the whole of their present e, for us to diames all solicitude about their subsistence, any want of land to race their harvests from

e cause that so much soil remains in this uncultivated m so late an age of the world, is, that mankind have not to wanted more than they have tilled and made use of raine what their existing numbers require, and they will Demand is always the ruler of cultivation, and D CHAPTS Men will not labour for nothing No man will till row corn merely to see it sprout, and then let it rot upon It will nowhere be produced until it is wanted. uly as it is wanted. Nothing but the gradual increase pulation has raised such a quantity of food as the general ats now produce; and these being more than the present ers actually consume, since most bringers have some a by them, more land will not be cultivated until a greater plication of persons arises to need it. What they want will work for and produce, as long as there is land to till a tillage will bring harvests.

Egypt has been surprisingly improved by its present ruler. Mehemed Ali. He has, for his own sake, greatly encouraged both its agriculture and manufactures, and made himself the proprietor of their produce, in order to use what he wanted. and to sell the rest. Yet, though he has obtained supplies from it far beyond their former amount, one of our latest travellers declares that there might still be raised to maintain four times the amount of its present population.*

That a minor portion only of Poland, though a grain country, and one of the supplying granaries of the Continent, is in proper tillage, has been already mentioned; † and Spain and Portugal are in the same neglected state. But we need not pursue details of this sort. The general fact is well known. that in every kingdom of Europe large quantities of land are left uncultivated. We may confine our attention to our own islands in this respect. It has been calculated that, even in these, if every part that was susceptible of beneficial husbandry were tilled, enough might be raised to feed 120,000,000 of people; that is, five times the amount of their present large population. On another computation by a practical agriculturist, it was remarked, that our usable soil could be made to support 300,000,000 of persons on vegetable diet, or above 100,000,000 on a plentiful aliment of both flesh and vegetables. || And one of the most prominent Irishmen of the present day has asserted in parliament that his country could produce ten times more than is now raised from it: of

^{*} Mr. Carr, in 1835, states Egypt to contain now 2,500,000 souls, of whom 240,000 are in Cairo, called by the natives Meer. He says, "How different is the state of Egypt now from what it might be! possessing a population of scarcely more than one quarter that it might be readered capable of sustaining."—Carr's Account of Modern Egyptians.

† See before, Lett. XXIX., p. 286.

See before, p. 269.

The statement was made in the "Edinburgh New Philosophical Journal, for September, 1988, that the United Kingdom contains 74,000,000 of acres, of which 64,000,000 might be cultivated R was reasoned, that half an acre would annually yield corn enough for one individual, and that one acre would feed a horse. Hence, that our islands could maintain 120,000,000 people and 4,000,000 of horses.

[&]quot;There are in cultivation, or capable of it, 33,000,000 of acres in England, 9 in Scotland, and 16 in Ireland; in all, 58,000,000 of acres. Every acre will support a family on vegetable diet; but to live on both flesh and vegetables, three arres must be used in order to have plenty. At this rate, our linited Kingdom might support 300,000,000 on vegetables, or 100,000,000 on flesh and vegetables."—Mark-lane Express, 8th September, 1834.

course, could support ten times its present copions popula-

If we once accertain the number of series in a country, we can rection for ourselves the numbers it would wanten; for a quarter of wheat can be made into so many lowers as to supply each individual with two and one timed a week? This is more taken I use, who, you know, live principally upon bread. But as area of wheat, in its ordinary produce, will furnish enough to make three times this quantity. So that three persons, wasses diet is like mine, could solvent as comfortably as I do now on the produce of a single area. But the populations of India and China subsist on rice, as we do on wheat, and an area of rice, we find, will sostain from five to ten persons for a year, and the people of these countries are from one third to one half of all the numbers now on the earth.

Carry these ideas round the world, and assume that the carts would hereigh as many inhabitants as quarters of wheat as also be raised from it where wheat is consumed, or ten times as many as there would be acres of rice in cultivation where this grain is esten, and you will feet that there can be no room for disquisitione at the multiple atom of population for any length of time to which we need extend our prospective anneapations. Every additional prison will require that in additional quarters of wheat should be raised; and, for every three new bounds beings to have this, an acre must be put in tillage at the common produce. Thus, if the population be enlarged in the years by 1,000,000 more inhabitants, 1,000,000 more

[&]quot; In the introduction of the Irish Poor Law Bill, Mr. Daniel Of onnel in separate to have used." It had often been admitted that Irished was a country appared it was or time times in present cutristion. But there was no part of Irished in fact, which was not capable of being cultivated to degree the transport productive than it never was. The was as most sens fearth of it waste and, which had never bonk broken in, and which was quite capable of cultivation." Arandard, 14th Perinang, 1877. I observe, also, that in the same occasion, Lord Howelt passacked. "It had been truly and that there was no part of les and which individually the chylencessed with, he make an product was the other, and one Bearth of the land remained at this moment unimproved."

quarters of wheat must be raised, either by increasing to that amount the productivity of our present land in cultivation, or by bringing 330,000 more acres into cultivation, if we nourish them from our own soil; but if we have now ten times this quantity of producible land yet uncultivated, we see that, at this rate, we may go on multiplying, as much as we are now doing, for a hundred years, and still grow comenoush in our own islands to feed them. The rice countries would allow two or three times this quantity of population: so abundant are the means now visible for meeting the largest increase of population to which we have any just occasion to advert. We can reason still more exactly on this point as to our own islands.

England contains, in its whole area, about 32,000,000 of acres.* Of these, 3,250,000 have been deemed incapable of improvement; and of the remainder, nearly 3,500,000 of acres are in an uncultivated state. † Now this quantity of land, if put under efficient tillage for wheat, would, according to the statement we have just reviewed, provide sufficient food of vegetable diet for 10,000,000 more inhabitants in England alone; a number not likely to accrue for forty or fifty years at least, though we should multiply further in our late accelerated ratio.

But if we reason on the amount of land not at present in

"The area of England is 20,267 square statute miles, exclusive of Wales, consequently 22,247,680 acres." The separate enumerations of the contents of each country come to 31,770,615.—Elckm. Enum. Abst., vol. ii., p. 632. Mr. Cowling's calculation makes it 22,342,400 acres. On either calculation, the amount would be nearly 22,000,000 of acres. TMr. Cowling, a civil engineer, in 1827, delivered to a Select Committee of the House of Commons his statement on this subject, which he said was the result of his personal examination, having examined 105 of the counties of both islands, and partially visited the other 11. His account was a detail, of which the following is a summary:—

	Acres cultivated.	uncultivated, but improvable.	Acres unprofitable.
England .	25,632,000	. 3,454,000 .	3,256,400
Wales	3,117,000	. 530,000 .	1,105,000
Scotland .	5,265,000	5,950,000 .	8.523,930
Ireland	12,125,280	4,900,000 .	2,416,664
British Islands	383,690	. 166,000 .	509,400
	46 500 070	15 000 000	15 071 469

Mr. Porter, in his compendious volume of "The Progre tion," has inserted Mr. Cowling's detailed statement, p. 172-177. hashandry, but which is succeptible of cultivation, in all Great Britain and Ireland, we find that there are no fewer than 15.000.000 of acres in this waste but improvable condition: and, therefore, that we have soil enough yet unused which could be made to provide 45,000,000 more people in our two islands with vegetable food from our own resources. I submet to you, that we may believe that, if such an anomentation should ever take place in our nation, no generations for which we shall have any personal interest will be in being. We have land enough to occupy and feed all that will come for a very long time; and this makes it quite unnecessary for us to speculate on the results which may take place when every acre in in full cultivation.

Of the land now in cultivation in our islands, about two Afthe only are in tillage; the rest are in the grassy state. ! Of those which are tilled, a proportion only is in culture every vent for wheat. Full as much has been considered to grow cats and beans, and the remainder barley ! At present we food a vant quantity of horses, and each horse is said to recure sucht times the soil and substance which would supply

tion :-

		Arable and Cardens.			mendown, Pastures, and Marabes.	
		- 1	Mainte Acres			Arres
England			10,252,200			15,379,3ng
Wales .			MU(1,57()			2,730,420
Arolland			2,493,950			2,771,060
Sceland			5,390,040			6,726 240
Bettieb Islands	rde		100,020			274,060

19,135,990 27,296,990 Cowling's Progress of the Nation.

I Arthur Young believed that, in England, there are sensity 2,000,000 of serus every year growing wheat, as many producing barley, and as many anowed for outs and beans. Mr Combon agreed with him as to the firm and last of these arrieres, but thought that there was not so much barby (20 This point I am incompetent to judge. Pome think that more wheat to new missed, and, as we produce wheat shough for our own use, there must be subsequent in a light thin or even planted with N, or each and must, on an everage, yield above three quarters.

^{*} The summary in the preceding note presents the whole land of the British Islands, cultivated, wasts, and unprofitshle, as amounting to 77,384,523 acres; of which about one fifth only is closed under the use-less character. The cultivable contains 61,322,970 acres, which, at three bases beings per acre, would feed 184,505,010 individuals. To this amount, then, we may safely multiply.

† Mr. Cowling thus distinguished the ground that is now in cultiva-

food for a man.* This has occasioned some to urge strougly that the steam mechanism should be applied to agriculture, not only that the ground which now provides what they need might be applicable to raise more food for the enlarging population, but also from the diminution of farming expenses which would follow from its adoption.† There is such a spirit of enterprise and intelligent ingenuity among our countrymen, that we may expect that all improvements which can be invented and brought to bear usefully on this point will in time occur as our population enlarges, because that increase will bring more acting minds into existence, and stimulate their activity. It is gratifying to perceive that the attempt has already begun and been found practicable.?

In these facts we may discern a certainty that the adjusting principle between multiplication of population and multiplication of food will act as steadily and as efficaciously hereafter as it has been operating hitherto; and that due provision has really been made that it shall have this effect. We have a further assurance of this result, and further means of procuring it, in the other element of the system of our maintenance; I mean, in the very articles which we consume as our food.

Two principles have been pursued by our Creator as to the substances which are to be our support, with an express view

* According to the parliamentary returns in 1728, the horses running in coaches in Great Britain amounted to 178,841; and a writer in the "New Farmers' Journal" of 1st November, 1833, considers that all the horses that are exclusively employed in drays and draughts would, with the coach-horses, amount to 600,000. To these are to be added those which are kept for agriculture and pleasure. "It seems admitted that each horse consumes what will support eight individuals." From this he reasons, that, if out of the whole number, 600,000 should be superseized by steam carriages, their absence would enable corn to be raised for nearly 5,000,000 more people.

We must not suppose that all the expectations of sanguine calculators will be realized; but it is as well to know them; because they excite experiments which, if not verifying what is promised from them, we often elicit many new utilities. Thus, "Mr. Brown offers statements to prove that the horses now used in husbandry alone are maintained it an expenditure of 30,000,000. yearly. He calculates that, in ten years, the profit in favour of a steam-plough over a horse-plough would amount to 7751. even allowing all expenses on its first introduction."—New Farmers' Journal, 1st November, 1833.

‡ Lord Henniker stated, on sin September, 1837, at the East Suffalk agricultural dinner, that he had received a letter from a friend in Lincols-shire, mentioning that in his neighbourhood they had already a stass plough, which would harrow thirty acres and plough eight acres per day.—Standard, 14th September, 1836.

ntinued multiplication; and these are, that they shall mmerous, and that their productive system shall have of increasing fertility, both from natural agencies and pan cultivation, whose limits of improvability cannot lefined. In both these laws we have a security seing famished by augmenting numbers, which we ver to forget. The food of the animal creation is mis, commonly some one or two articles only, and tending beyond. But, for mankind, a diversity of edstances has been created, and many such have been d are still, in many countries, the most convenient or I food. As it will not be incurious or unuseful to bat is taking place in the world in this respect, the hus provided and applied, and the increasing producer of some articles, shall be the topic of the ensuing further elucidating the Divine system in our human the abundant provisions for its comfortable support.

LETTER XXXI.

siple of Animal Nutrition is, that it shall arise from what has a walkin it.—Animal and Vegetable Organizations prepare all I Fued.—Facts to show that Mankind can and do Feed on all upon of the Animal Kingdom, and find Nutriment from all.

DEAR SON.

ig thus seen that there is ground enough still everyneutivated on our surface to supply a greater multiof our race, and a longer series of its generations, have any reason or necessity now to advert to; and widence has kept the earth in this condition, as if to a supply its human race at that period when it intendbarge and spread their number, let us now consider has created to be the needful aliment of mankind, or avertible into their nutritious support.

se five great divisions of material things—the aerial, sous, the mineral, the vegetable, and the animal—the only contain the articles of human subsistence. It is table fact, that animal life is supported only with that III.—D p

which has had life in it. Vegetable existence arises from the mineral kingdom, under the agencies of the aerial and the aqueous, on its provided organization and principle of life. Plants, therefore, are not indebted to any preceding vitality for the growth or continuance of their own; but no animal can live on the influences alone of the three compartments of nature which sustain vegetation. They require to be nourished by what has had life in it, and therefore either by vegetable or animal substances. This is remarkable, and beyond our power of explanation. If there be any exception, it lies in the microscopic world; though as the seeds of some plants are invisible, and, by the mould which follows, damp appears to be wherever moisture is, even the living molecules, which our artificial magnifiers reveal to us, may derive their subsistence in the same manner as all other animals, from vegetable cryptogamia or from each other. The chymistry of the living principle in plan in functional actions, seems to be necessary to put the material particles of the mineral world which form our food into that condition, combination, and digestibility which will be subservient to animal nutrition. The fact, at least, is certain as to ourselves, that we can live only on what has been a living and organized being, either as plant or animal. We have not yet discovered the art of converting azote, carbon, oxygen and hydrogen, lime, or clay, or silez, into nutritive matter. The vegetable principle universally has the power of effecting this, by its diversified organizations, into its own compounded substance, and this, so made, becomes our food. Whether mankind, who now, by Mr. Crosse's experiments, have attained the power of crystallizing matter into gems, and of reviving insects or infusoria by the aerial electricity, will acquire the knowledge how to imitate the vegetable process, and, like this, to put the material particles of our surface into an alimentary condition for our use, no one now living can either affirm or deny. It is not impossible, nor is it more unlikely than the galvanic metallization of the earths and alkalis by Sir Humphrey Davy was anterior to his experiment, or the crystallizations of Mr. Crosse before the last year, 1836. If science should ever attain to rival vegetation in this respect, then our population might double themselves as fast as Mr. Malthus supposed; for subsistence then would, like the air and water, he so common and so procurable as to be, perhaps, no more valued than they are

ty of maintenance would inevitably change the prese of human society, and most of its employments, ini, enjoyments, desires, and habits. If it were possithe abundance of means under our present system. population should increase beyond their supplies. he then the will of our Creator to lead the human nome discoveries of this sort. If creation abounds iders, so do the investigations, the capacity, and the of the human spirit, whenever the Divine influence is o assist and guide them; for this I believe to be the gent and leader in all our grand discoveries. . gunpowder, printing, the cotton-mill, the steam-en-I other unproving inventions which have so much adsociety, came each into our apprehension and use at ads when they were most beneficial, and could be out availing, as if a supreme intelligence had succesaggested them. But leaving all these eventualities to lits Sovereign, we, at present, like all our predeces-I contemporaries, must seek our food from the elaboand products of vegetable and animal chymistry. On me mankind have hitherto subsisted; and it will not eresting or uninstructive to observe how our fellowa select and apply them for their nutrition and gratifi-We will begin our survey with the animal classes

used as food. not the largest part of human populations that now itly on animal diet. The wilder nations of the earth, the hunting state, like the North American Indians, r pastoral state, like the Caffres, and other Africans, eral Tartar tribes who domesticate cattle, subsist prin-But it is too difficult to be acquired when tals are at liberty, and too costly to be reared where tamed and confined, for all to have it ready and in These require what can t quantity for daily repairs. at hand, and for a long time unspoiled, and be also into such smaller portions as the occasions for using Animals must be quickly consumed, unless they nd dried or salted; and therefore animal diet cannot be eral food of any recode after they become numerous in to adopt the civilized habits. But it is used everya some proportion or other; and all the orders of the kingdom have been and arc, in some region or other, made the subject of human mastication. Quadrupeds. fish. the phocine and cetaceous animals, the amphibious kinds, birds, reptiles, insects, worms all are taken and enjoyed as a pleasure, as well as aliment, in some country or other.

The cultivated nations confine themselves mostly to cattle. sheep, kids, and swine among quadrupeds; to their domesticated hirds, to that selection of the wild ones which they pursue as game, and to particular species of fish. They generally avoid insects, worms, and reptiles, and the rest of the animated kingdom. To this, however, there are still some exceptions in Italy, even at Rome: and as to frogs, at Vienna and elsewhere; the Spaniards of South America like snail soup, I and the Portuguese there use shrimp pies and fried ants, which one of our medical countrymen applands. As there is no more natural reason for using one of these than for the other, it is perhaps habit and taste only which decide on what shall be our liking or aversion.

Elephant flesh is used in West Africa, on the Niger, and that also of the hippopotamus, but neither was pleasant to a European palate. Monkeys seem to be a favourite food m many parts, though their resemblance, when cooked, to children, must always make them displeasing to any cultivated

* At Rome, in March, 1820, the writer says, "Passing through the market this day, we saw things exposed for sale which we should hardly suppose human creatures would choose voluntarily for food. There were baskets of frogs and shell-snails. These were crawling about and pushed back by the boys. The frogs were skinned, and looked white, like chickens. On the stalls were owls, vultures, kites, bitterns, ton-tits, cats, hedgehogs, ravens, and sharks. Some days ago our cook set us up a hare at dinner with the paws, to prove that in was not a cat."— Narrative of Three Years' Residence in Italy, p. 161.

† At Vienna the frogs are kept and fed in tube in their cellars, to be

The first have taken to the cookery.

At Monte Video, Mr. Webster mentions, "that large quantities of smalls are sold in the market, and are used for making soup."—Voyage in Chanticleer, vol. i., p. 77.

5 The same gentleman remarks, in the Brazils, at Rio Janeiro, "The shrimps are very large, and, when made into pies, are an excellent disk."

—Ib. 51. "Ants are so large that they are fried and made into a delicate dish."-Ib.

The Arabs revolt at shrimps as much as we do at ants.

At Boossa. "We have received from the king a dish of stewed ii At Boussa. We nave received from the king a class of mewwe elephant's flesh, and another of an hippopotamus, a short time before caught in the Niger. This was rank said fat, more like pork than any meat we know; yet it is considered delicate and delicious eating. Elephant's flesh, unless very young, is almost unestable from its toughness and rancid nature."—Lander's Travels, rol. ii., p. 196. So in Burms, in the East Indies, Captain Low says, "We got on this coast desphasis. desh," &c.-Journ. R. A. Soc., No. 4.

mind: an English traveller rather liked their flavour in South America.† Badgers were given as a present from one of the roval wives in Africa. Buffaloes are food like our cattle wherever they are met with, and horseflesh was used by our Anglo-Saxon nation, by some Scythian tribes, and by modern Tartars. Dogs cooked seem to be great favourites in several places, especially in the Sandwich Isles. \(\) Here they are bred for that purpose. | In the Arctic regions the bear is made an article of food, but on English sailors it was found to produce unfavourable effects, and particularly in a removal of their outer skin. The natives of those parts are not so afsected by it, ** but such a result is a strong indication that our

* Rio Grande, Africa. "The natives eat the large wigged monkey, which they consider as a great delicacy."—Capt. Owen's Narrative. On the river Amazon, at Sion. "The Indians who returned from the chase the river Amezon, at Sion. "The Indians who returned from the chase had lived eight days on the flesh of monkeys."—Dr. Peoplig, Travels in Chili. At Burma, "Monkeys are also eaten."—Captain Low. At Port Spain, in Trinidad, "Monkeys are also eaten."—Captain Low. At Port Spain, in Trinidad, "Monkeys are also leaten."—Captain Low. At Port Spain, in Trinidad, "Monkeys are also lei in markets, and eaten by many as a delicacy."—Welsh, Voy. Chanticleer, vol. i, p. 274.

† "Among the Indians on the Husysbamba, monkeys seem to be the spincipal article of their animal food. We saw great numbers of these banging up, dried, in most of the houses; and they formed no inconsiderable portion of our food till we reached Sarayacu. At first we felt some

repugnance to this diet, but habit and necessity got the better of it; and, when accustomed to the meat, we found it by no means disagreeable."— Symth's Narrative of a Journey from Lima.

t "The king sent us a turkey, and one of his women presented us with a reasted badger."—Lander, vol. i., p. 232.

In the Sandwich Islands, in their feasts, the flesh of the dog constitutes the principal meat. "I have seen nearly 200 dogs cooked at one time; and during the last visit which the late King of Tahucu and his queen paid to the governor of Hawaii, a feast was prepared by him, at which Anna was present, and counted 400 baked dogs, with fish, hogs, and vegetables in proportion."-Ellis's Hawaii, p. 348. They are fond of dogs also in West Africa.- Lander, 8.

Numbers of dogs, of a rather small size, and something like a terrier, are raised every year as an article of food; they are mostly fed on vegetables. The natives say that it is sweeter than the flesh of the ig, and much more palarable than that of goats or kid, which some re-

to touch, and few care to eat."-Ellis's Hawaii, p. 349.

I During our stay at Fury Beach some polar bears were killed. Some of our party, tempted by the fine appearance of the meat, made a hearty meal of the first that was shot. All that partook of it complained of a violent headache, which continued with some two or three days, and was followed by the skin peeling off the face, hands, and arms, and, is some, of the whole body. On a former occasion I witnessed a somewhat similar occurrence; when on Sir Edw. Parry's polar journey, having lived for several days on two bears that were shot, the skin peeled off the fact, legs, and arms of many of the party."—App. to Ross's Voyage.

** "The Esquimeux cut the flesh, without experiencing any such inskin has an important connexion with our digestive organs; and this may account for the changes of the complexion which many undergo. Abstemiousness is probably a greater talisman for the preservation of beauty of countenance than is commonly imagined, and in both sexes.

It has been thought incredible that the fiercer part of the ancient pirates of the north should drink blood; but we find that this repulsive liquid, with animal entrails, is a becomet to the western Esquimaux, who also presented to Captain Beechev flesh in its raw state as an additional kindness.* Another set regaled themselves with blubber, and pieces of the walrus, which no European's stomach could possibly retain if he could swallow it; tothers added wild berries, fish, and train oil.1 All these things are sufficiently nauseous to those who are not in the savage state of life; but ants, grubs, worms, snails, and reptiles are as repulsive; vet these are liked and used. Snakes and serpents are eaten in Ecvot and in western Africa. Lizards, mice, rats, and caterpillars also on the Niger. Ants are eaten by the Hottentots, either boiled, or raw, or roasted after the manner of coffee : even Europeans like their taste, | and one traveller thinks them nu-

convenience; but the liver was always given to the dogs."—App. to Ross's Voyage.

* "The blood of animals is as much esteemed by these people as by the eastern Esquimaux. They placed several dishes before us. Two of their choicest were the entrails of one seal, and a bowl of coagulated blood. Seeing our reluciance, they tried us with another dish, consisting of the raw flesh of the narwhal, nicely cut into lumps, with an equal distribution of black and white fat."—Captain Beechey's Voyage, vol. I, p. 344, 361.

† 'At another village, bowle of blubber, walrus, and sea unicorn's flosh were offered to us."—Ib., 385. Near Icy Cape, "One of the call dren was rolling in the bottom of the baidar, with a large piece of seablubber in its mouth, sucking it as a European child would a coral."—Ib., p. 385.

2 At Chamisso island, "resolved that we should partake their hespitality, they placed before us strips of blubber in wooden bowls, and whortleberries, mashed up with fat and oil."—Ib., 391. "By another set, a dried fish was presented to each of us, and a bowl of cranberries mashed up with sorrel and rancid train oil."—Ib., 394.

§ See the first volume of this History, Letter XVI., near the end. At Eatinga, near the Niger, Mr. Lander saw in the market "an immesse quantity of mice, rats, and lizards, dressed and undreased, all having their skins on, and arranged in rows."—Vol. i., p. 180. "The native roats, grill, bake, and boil lizards, rats, locusts, and caterpillars."—Ib., 192.

"A learned foreigner told us, that when in his walks be mosts at

tritisus, and prefers them to the maggots which some civilized gournands enjoy.* Several kinds of grubs are eaten in civilized commands enjoy.* Several kinds of grubs are eaten in civilized commands assured him that they were much valued by some of our own fellow-subjects; t and this valuable entomelogist concurs with Dr. Darwin, to recommend the addition of both cockchafers and their larve to our own well-filled tables. \$\displaystyle \text{times to the mark of a savage mind or taste to like these things. Indeed, we find the Grocks approved of them, and the Romans fattened some for their enjoyment. \$\frac{1}{2}\$ Hence we may allow the Burmese to eat their worms, \$\frac{1}{2}\$ and others their anakes and spiders, without branding them as barbarous, or supposing that they must be familished to do so. \$\frac{1}{2}\$. The

eachill, he apprenches it with the end of his welking stick; the antecame out in great numbers; some to reconnuits, some for the mere excretes; when the stick is pretty well covered with them, he draws it drawing his tips and secures them all. He describes the taste as cool and esseries; not unlike that of the plant called sorrel."—North American Review, No. 76, p. 265.

This is Reseathmen, who says, "I have cates them drassed in this way (reseated), and think them delicate, noursehing, and wholesome. They are concething sweeter, though not so cloying as the magget of the pales-tree berile, which is served up at the tables of the West Indian opteness, particularly the French, as one of the greatest luxures of the

country.

** Madema Marian has figured several of the larve which the natives

** Madema Marian has figured several of the larve which the natives

** Regimes result and eat as delicious find in her 'Insects of Furnam,'

** St. dat; and St. Pierre notices one in the Mauritius, which both whites

and blacks eat greedity." "Voy., p. 72.

2 " A friend of muse, who has resided a good deal in the West Indies, laborate me that the late fit John La Forey was extremely fond of the pales grab when properly cooked. Mr. Hall informs me that in Januara age grab called macaure is in request at the principal tables."— Kirby's

Breezel, vol. I. p. 200-1.

| " | think with Ur. Derwin (Phys., 264) that the larves of the cockchaffer, which feed upon the roots of grass, or the perfect insects themactives, saight be added to our entremete; buts, turkeys, and other birds
derwoor them eagerly."—Kirby, p. 304. He also remarks, "It is proble
that all the species of this genus might be safely eaten, as well as many
other grabe of coloopiers." | 10., 202.

| " Zhan mentions that an Indian king set before his Greelin gueste

"Einn mentions that an Indian king set before his Greeiun gueste sensed worm, taken from a plant which the Indians sustemed delicious. The Gracks concurred in the opinion." Bil History, p. 16, c. 13

The Greeks concurred in the opinion." - RL History, p. 16, c. 13
T "Pliny mentions that the Roman epicures fatiened the cossus with
flags.".--Hist. Nat., p. 17, c. 24. Mr. Kirby thinks it not certain what

spector of grub this was.—P. 302.

O The tause palau, a long white semi pelincid worm, which is found in decayed wood, as reckneed a delicary in Burma."—Captain Low, Journ. As. Sec., No. 41.

11 Mr. Eirby mentions the epider-enters, p. 810. " At Per Manquera

Greeks feasted so much on their grasshoppers as to distinguish critically their different flavours.* Locusts are highly valued and dressed in various ways by the Arabs,† and are not less precious to several other nations.! But if they be so pleasant as an English clergyman thought, some future age may welcome their visit, and grind, salt, boil, stew, or fry them as soon as they begin to devour or to attack the vegetable harvest. They will then add to our food instead of diminishing it.

The convertibility of animal matter to nutritious subsistence appears to be bounded only by the use of it. Whatever any people are not in the habit of feeding on is either unsalutary or unpalatable to them. But, whatever they accustom themselves to, they seem then to like and to thrive with. Thus, what we use only in besieged towns, when famine begins its ravages, stewed hides, is a regular food in some parts of Africa; ond the skin of fish, to us so indigestible by the strongest stomach, is the allotted food of children elsewhere. So the hippopotamus, which Lander rejected, and which would have been insalubrious to him, was delightsome to his negro attendants, who had frequently feasted on it. The substantial strength of the substantial strength o

But, amid all these diversities, mankind seem to have agreed

New South Wales, the natives eat snakes, but not unless killed by themelves, lest it should have bitten itself, and thereby become poisonous.**

* From Atheneus and Aristophanes we learn "that the Grecians thought grasshoppers most delicious in their pups state: that the mais ones were at first the best, and that the females, with their eggs, were very pleasant."—Kirby, 305.
† "Mr. Walpole mentions that the Arabs are as much astonished at the Arabs are as much as the Arabs are as as much as the A

† "Mr. Walpole mentions that the Arabs are as much astonished at our eating crabs, lobaters, and oysters, as we are at their eating locator. —Dr. Clarke's Travels, vol. i., p. 187. The Arabs grind them and mix them with flour; at other times they boil them, or stew them.

1 "The Hottentots fatten on them, and make soup of their eggs. The Mahrattas salt them. Mr. Jackson, in 1799, found them preferred by the Moors to pigeons. A person may eat, it seems, two or three hundred of them, boiled and fried, with salt and pepper, and a little vinegar. The Rev. Mr. Sheppard tried some, and found them excellent."—Kirby, Eu., p. 304.

§ Lander met with stewed buffalo hides in the African regions be visited.

|| At Kotzebue Sound, "We noticed, that at their meals they stripped the dried fish of its skin, and gave it to the women and children, who are it very contentedly, while the men regaled themselves upon the fiesh."

—Captain Beechey, vol. i., p. 454.

"In the Isle of Gungo, on the Niger, with some boiled corn and fish, about ten pounds of the fisch of the hippopotamus were sent us. This being nearly all fat, we could not fancy it, and gave it to our people. They assured us it was the finest meat they had ever tasted. It forms a principal part of the food of the natives."—Lander, vol. UL., p. 36.

in one point, and that is, to prefer the animals of all sorts that live on vegetation to those which feed on each other. There is a rankness of taste attending the flesh that is nourished by flesh, which is universally offensive to every state of society. The carnivorous are, therefore, generally avoided, though, as far as nutriment is concerned, they may be quite as serviceable as the herbivorous and graminivorous classes.

It is obvious, from this catalogue of the diversities of human food, that they are all matters of choice, and not of necessity. They have been adopted, or, at least, continued, from individual taste, and not from want or starvation. The European approbation of them is an evidence that they are so much actual addition to the existing means of human subsistence; and, therefore, let us multiply to what number we may, as long as there are any classes of the animal kingdom on the earth, mankind cannot starve. What they can eat for pleasure they may also eat for its utility. Even raw flesh, where it is still used, is eaten in that state because the taste of it is liked; for, in some islands, raw flesh is served up with several cooked meats.* But nothing is more capricious than our use of the two senses of smell and taste, for we find seals preferred by some to turtle;† even such men as Göethe and Schillert had peculiarities in their olfactory sensations, which

^{*} In Hawaii, at the head governor's breakfast, "a number of his favourite chiefs sat in circles on the floor, around large dishes of raw flah, and baked hog or dog, from which each helped himself without ceremony."—Ellies Tour, p. 42. At Macquarie, in New South Wales, "their food is always esten in a raw state;" the reason they give for this is, that, if roasted, "it would become dry, like a waddy," or one of their clubs.

[†] Captain Becchey, when at Kamschatka, "presented the governor with three large turtles, which they had never seen before. His cook converted them into excellent soup, some of which was sent round to such of the respectable inhabitants; but several declared their preference for their own dishes, made of seals fiesh."—Becchey's Voyage, vol. ii., a. 343.

^{**}Dr. Vogel, in his account of Göethe, gives this account of Schiller's liking the evaporation of rotten apples. "The following I had from Gösthe himself: One day he went to pay a visit to Schiller's landing him at bome, he took a seat near his library table, waiting for his return. Here, at first, a peculiar smell became troublesome to him, and soon after that he fell into a state of insensibility, from which he did not recover until he was carried into the open air. The cause of all this they discovered to be a large quantity of rotten apples which Schiller, from a foodness for the air developed from them, had stowed in the drawers of his table." Of the same eminent man Lord Byron told Mr. Wyllis, "that he used to compose with his foot in a pail of cold waster,

one may as much wonder at as to find such a civilized nation as the Chinese devouring what we should term nauseous garbage, though its nutritive effects may equal those of the most delicate food.* The most deplorable and degraded peculiarity of any portion of the human race in their eating, has been that of making banquets on their own species.†

The Divine instructions given to mankind as to their food were those communicated to Noah, and through Moses to the Jewish nations. By the first, all that moved with life, and,

with a pot of hot coffee at his elbow."—New Monthly Mag., 1832, p. 296.

Goethe's eccentricity was a love of the confined air and smell of a close room. "It was with difficulty that he could be induced to have a window opened for airing his study and sleeping room. An offensive smell he did not particularly mind. He also felt much waved if any one snuffed the candle in his presence; nobody could perform this operation to please him. He became exceedingly displeased if either book or paper did set lie with its edges parallel to the corresponding edge of the table."—Dr. Vosci's Account—his confidential physician.

"The extremes of luxury and misery are nowhere more ludicrously contrasted than in China." The rich buy, at a great price, the edible birds news, and highly value shark-fins, dried, and the beche de la mer, a black-looking seasing from the Pacific Islands. By the poorer, "the heads of flowls, their entrails, their feet, and every scrap of digestible matter, earth-worms, sea reptiles, and other vermin, are greedily devoured. We have noticed lots of black frogs, in half dozens tied together, exposed for sale in shallow troughes of water. We have seen the hind-quarter of a horse hung up in a butcher's shop. A lodger in a hotel complains that his bedroom being over the kitchen, he is grievously annoyed in a morning by the noises of dogs and cats which are slaughtering below for

the day's consumption."—Missionary Voyages, 1832.

† Cannibalism is oa abhorrent to all who are not in the savage state, that the mind, from its desire to disbelieve it, struggles against the evidence of its existence. But the authentic testimonies to its practice in Polyassia, New Holland, and in some of the East Indian Islands, and elsewhere, are too numerous and coinciding to be discredited. One of the latest proofs of the practice suil continuing even in New Zealand, into which Christianity and its civilization are beginning to obtain an entrance, eccurs in Mr. Wood's letter from Kawia there, of 10th July, 1835. "But gross darkness pervades the minds of thousands who are, from time to time, actually destroying and devouring each other. I had an opportantly of beholding a most disgusting spectacle the other day. A party from Waipa was returning from Taranake, about eighty miles distant, where they had been to fight, and where many poor creatures had been cut off, roasted, and eaten; and some of their fiends. However revolting this may appear to your feelings, and to the feelings of Christianized and civilized people, I assure you it is a fact. I saw the head of a greet civilized people, I assure you it is a fact. I saw the head of a greet step. 1836, p. 21,

therefore, all orders of the animal kingdom," were given as meet to the human race, to be used as freely as vegetable food. This general appointment of every living thing to be nestritive substance, left it wholly to individual taste and choice as to what kind or classes of animated nature each population or person would select and use. None are therefore censurable for any particular habits in this respect except the cannabals. The whole was given to man for his sustemnee. and therefore, we may say, provided for him. No restriction or prohibition was placed on any part as to the world at large, except that the blood was forbidden to be eaten with the flesh, But as to the Jewish nation, a series of counselling precepts were given by the Deity, through Moses, to them, as to what seismale they should abstain from and as to what they should was. Carnela, rabbits, hares, and swine were ferbidden; but all reminating animals that were cloven-footed or divided in the boof were allowed. All fish that had not fins and scales were to be avoided. Several birds, mostly of the carnivorous macies, and all reptiles and meets, were likewise prohibited. except locusts, beetles, and grasshoppers ! These distinctions seem to have had some moral and civil objects in view, as well as reference to their health, and climate, and pocu-Har character and situation.

^{**} Every moving thing that liveth shall be meat for you; even as the green borb have I given you a.t. return."-Gen., c. ix., v. 3.

† ** But flesh with the life thereof, which is the blood thereof, shall ye mat est."-(den., c. ix., v. 4.

\$ Levisions, c. xi., v. 3. 37. Weenels, mice, tortolers, ferrets, chame-

lean, linerds, scalls, and moles were also forbidden to the Jews. — Ib., v. 20, 25.

LETTER XXXII.

Almost all the Vegetable Kingdom is applicable and convertible Human Food.—Instances of this in the Use of its various General that Purpose in the different Parts of the World.—The Impunity Mankind perishing from Famine.

MY DEAR SON.

We have seen in our preceding letter that almost the whole of the animal knigdom, in all its orders and species, is appli cable to human subsistence, and that each kind is found to be alike gratifying to the taste and nutritious to the life of thes who are accustomed to it. The human body has been frame on the principle of deriving this pleasure and utility from an mated nature; and this, in all its genera, has likewise been a formed as to be subservient to human benefit in this respect The consequence of these arrangements is, that mankind es never be famished as long as any animals besides themselve are in existence on the earth; for man, being everywhere the master, no species can escape his search and power.

The vegetable compartment of nature is as universally ap plicable to human nutrition; almost all kinds of vegetation will nourish human life, and have been used for this purpose and are found to be satisfying or pleasing to those who are i the habit of taking them. To be as brief as possible, I wil only select some of the more particular kinds as sufficient

evidences of the general applicability.

Acorns are still used in California.* Lupins were th common food of some of the sects of the Grecian philost phers, and especially of the Cynic school, which they carrie about them in little bags. † Lupins and chestnuts are sti used by the Sicilian peasantry when they cannot get com.

* At San Francesco, "other Indians in the missions were grindis baked acorns to make into cakes, which constitute a large portion of the

based activities of mane into cases, which constitute a large portion of use food."—Captain Becchey, vol. ii., p. 20.
† In Lucian's "Runaway Slaves," philosophy represents the Cyrl philosopher as saying, "a halfpenny, to buy a few lupins with, is all want, and the first brook I come to supplies me with drink." They say ried these in their wallets. In 1835, a traveller in Sicily described "the great body of the year

alks are stated to be highly beneficial to the soil they ed with. Acorns have now become the favourits as for coffee among the Prussians, and increasingly in y,† and the blossoms of the linden-tree are found to palatable tea to the same distinguished nation, and to reficial medical effects !

Freeks of the present day use thistles, and all sorts s, as part of their food. Crocus roots are eaten at il and the iris bulbs at the Cape of Good Hope. 1 vascular matter of the birch-trees between the rind wood is also resorted to. The general food of the use peasantry is stated to be chestinuis. 11 In Terra go they live much on berries. 14 The Enare Lapland-

supporting itself on beans, lupins, and chestnuts, while the periabing in the gransries and magazines of the rich proprieistop., 1835, p. 400.

scany, among the green things buried in the soil for the meof the land, lupius ought to be employed in preference, as they agment the fertility of the fields in which they are nown.

Francia, coffee is now very generally made from scorns. They i very small pieces, roasted, ground, and prepared preclissly as Sement medical men recommend them both as a tonic and for out. They are daily becoming of more general uses in all Gar-Shetches of Gentrally, vol. 1, p. 99.

Rayour to very agreeable; it does not irritate the nervas. I democif frequently of a slight cold by drinking plentifully of an aboverage in almost every—1b.

, a recent traveller, mentions, in his "Reminiscences of Rusths vegetable dist of the Greeks includes thistles, and all sorts.

Hence the proverb in those countries, "A Greek grows fix ans starves."

Aleppo and its neighbourhood, cocuses are cultivated in great Dr. Russell mentions "that the root of one species are esten habitants, and called mountain cucumbers. Their flavour is 6 as something like that of a nut." Welsh, Voy. Chanticl., 874.

sfarmers make a disk of the roots or balls of the tris edulis, aply boiled, they taste very much like a chestnut or waxy po-

is Hudson's Hay Companies' people had stripped the birch trees and to procure the out: pulpy vessels in contact with the wood, a sweet, but very insufficient to satisfy a craving appenie," a Journ, p. 103

mir general tood consisted of rosaled chestings, washed down apring water. When they could procure a little dried fish or with black nour brend, they would consider it a point of the late War, p. 83.

mt. Voy , vol 1., p 163 111.— L #

ers make soups of the fir bark, * and likewise pound, grind, and work it into bread. † In Barbary, the poorer Arabs live almost entirely on the wild fig while it is in season. ! Gourds and numpkins boiled, stewed, or baked in pies, occur in many places; and dates are a favourite food of the Arabs in Africa. and wherever these trees grow. That the mallow and the daffodil were part of the aliment of the ancient Greeks: that burs as well as thistles have been used as food, and that femroots are a chief part of the subsistence of New Zealanders. and at various times have been ground and made into bread . in Europe, was mentioned in a former letter. Also that the nettle and dandelion are both still eaten, and the root of the latter made into coffee. The sago, palm, cocoanut, and bread-fruit trees, and the bananas and their great produce, were also noticed . Some trees are used to make an infusion from, like our tea. The leaves of the Paraguay holly are so applied in South America, ** and in our back settlements of Newfoundland the spruce-tree is found to yield a refreshing liquid of this sort. †† We read frequently of new vegetables, not used or known before, brought into cultivation for their nutritious qualities !! The vams we have long

^{*} In winter they must put up with dried fish, and with souns of & bark and reindeer tallow. They peel off in summer the innermost bark of the fir, divide it in long strips, and hang it up to dry for winter stores. When used, these strips are minced in small pieces along with the reladeer tallow, and boiled together for several hours with water, till they form a thick broth."—Von Buch, Trav., 1806, p. 324.

† The Laplanders of Tryssil make their "barke brod" thus: "When

the young and vigorous fir-trees are felled, the tree is stripped of its bark for its whole length; the outer part is peeled off, and the interior covering shaved off; nothing then remains but the innermost rind, which is extremely soft and white. This is hung up in the air to dry, then bakel in an oven, afterward pounded and taken to the mill, where it is ground into a coarse meal. The meal is mixed up with threshed out-ears and a few moss seeds; and a bread about an inch thick is formed of the composition."—Ib., p. 87.

Campell's Letters on Algiers. Sacred Hist., vol. i., Lett. IV.

Ilb., Lett. VI.

*** They call it mattee; it is not so pleasant as the China sea

Webster's Voy., p. 87.

^{†† &}quot;I made acquaintance here, for the first time, with a decoction of the tops of the spruce branches, to which I afterward became much so customed, as a substitute for tea. From experience, I can pronounce it w

be very salutary and bracing, though not so palatable as the beverage supplied by the East India Company."—Wire, Newfound. Journal. "Thus, Mr. Redvali has most successfully cultivated the care

; but, perhaps, have not been generally aware that a being could be supported by only half a one for his od *

hese facts concur to show that it is as true of the vegeof the animal world, that all its classes are usable for
food, and are sufficient for human nutrition. For it is
it we deem solid food, nor the quantity of it, that is
if to health or strength. The laborious Hindoo Coolcarry the heavy baggage are an instance of this, for
ke but one moderate meal a day of rice and water,†
scanty fair less pleasurable than the most costly and
at, when the mind is not fretful about it, and when
mixtures 1

one of the most remarkable facts to show the universal bility of all vegetable matter to human nutrition, is the Quilmane country, in southeast Africa, GRABS is narticle of human food, and is cultivated for that purind cooked into a palatable porridge § A still more dinary circumstance of the same bearing is, that the of trees and herbs are both applicable and sufficient for tenance of a human being who has been accustomed use of them, and are capable of giving both strength and able vitality.

, a simple tubercle of which affords a large quantity of wholed; the taste rescribles both the common and awest potato." im. 1836 u. lb.

Lander was taken by the Eboes: "While in their hands, we a kept on the regular slave allowance of half a yam a day."—

1 20%

some human aumuals of burden began to sling the heavy baggage to en to carry it up through the mountain passes. The fedgue they a very great, yet they seldon take more than one meal a day, ma very sparingly. It consists chiefly of boiled rice and a little Their drink in water." "Officer's Narrative, in Frazer's Mag., 866.

Lander thus expresses his own feelings under such circumwhile in the lands of the Ebies. "We had suffered from hunger le day, without being able to obtain snything. Soon after we for the right, our guards gave us each a piece of rosated year, sted year, washed down with a liftle water was to us as pryful at the last been treated with the most sumptuous fare, and we releve down in the cannot to sleep in content."—Vol. In., p. 164, he rountry around Marsoro is cuttivated for some miles princith is asset, which, before it is quite ripe, is plucked, dried, and is a large wooden mortar, then ground between two rough stones. all is made toto a portridge, sind, in general, each a with Sok."— Ver, ret. It, p. 51.

" In the department of the Var, a man is now living who, having here at one period of his life reduced to great want, was obliged to est naw LEAVES of trees, herbs, &c., to satisfy his hunger. From being accustorned to it, he now prefers this diet, and adds only three or four ounces of bread and a little wine to his daily fare, with which he could easily dispenso.

"He is remarkably strong and healthy, of a kind and gentle disposition, and is sufficiently intelligent. His sleep is quiet, but very light, for the most trifling noise, even at a distance, wakes him. His skin is remarkably meensible, and the cuts and scratches which cause great pain to others are scarcely felt by him. Besides this, he is not in the least affected by extreme cold."2

That foliage, after his being used to it, was preferred by this individual when other diet was in his power, is evidence that it can be pleasurable to the organs of taste; and that he was strong with it is also an indication that herbage would invigorate human bodies, as it gives power and energy to our cattle.

Yet still more extraordinary than this, and showing what wast latent powers of nutrition for man are residing in the vegetable kingdom for his use, in case all other food should ever become inadequate to sustain his multiplying populations, a crisis under the other provisions of nature hardly possible to occur, is the ascertained fact that wood may be converted into nourishing and palatable bread. We owe this discovery to the German Professor Autenrieth. Dr. Prout has thus described the preparation of it in the "Philosophical Transactions:"-

"First, everything that was soluble in water was removed by fiequent inaceration and boiling. The wood was then reduced to a minute state of division; that is, not merely into fine fibres, but into actual powder; and, after being repeatedly subjected to the heat of an oven, was ground in the usual manner of corn. Wood, thus prepared, according to the author, acquires the smell and taste of corn flour.

"It is, however, never quite white, but always of a yellowish colour. It also agrees with corn flour in this respect, that it does not ferment without the addition of leaven; and for this, some leaven of corn flour is found to answer best. With this, it makes a perfectly uniform and spongy bread; and when it is thoroughly baked and has much crust, it has a much better taste of bread than what, in times of scarcity, is prepared from the bran and husks of corn.

"Wood flour, also, boiled in water, forms a thick, tough, trembling

jelly, like that of wheat starch, and is very nutritious."?

As this is a very important discovery in its bearing upon the future population of this world, and is alone sufficient to

^{*} Athenæum, 1835, p. 627. † Philos. Trans., 1827, part 2, p. 318.

se all solicitude about the sustenance of its possible mulstions, I will add the Professor Autenrieth's own achow to make this wood flour in perfection :---

a weed, after being thoroughly siripped of its bark, is to be sawed smally into dishs of about one inch in diameter. The sawdust is reserved, and the disks are to be beaten to filters in a pounding. The fibres and sawdust, mixed together, are next to de deprived yithing britar, which is soluble in water, by boiling them where I se abundant, or by subjecting them for a longer time to the action water. This is easily done by enclosing them in a trong sack, they only half fill, and beating the sack with a stick, or treading the feet in a rivulat; the whole is then to be completely dried, as the sun or by the fire, and repeatedly ground in a flourning.

e ground wood in next baked into small that cakes with water, at alightly muchaginous by the addition of some decection of mailow stalks and leaves, lime-tree bark, or any other such aut-

professor prefers mallord roots, of which one ounce will render a quarts of water sufficiently muciagmons, and these serve to ar popules and a half of wood flour into cakes.

see cakes are baked, and they are brown on the surface; after y are broken to pieces and again ground until the flour passes i a fine belling cloth; upon the fineness of the flour its filmess to read depends. The flour of a hard wood, such as beech, requires sees of baking and growing to be rejected.

and flour deem not ferment no readily as wheaten flour; but the per found that fitteen jounds of birchwood flour, with three pounds wheat leaven, and two pounds of wheat flour mixed up with seasures of new milk, yielded thirty-six pounds of vxxx ocop-

at straw, hav, and the stalks of trefoil, lucerne, and sainad been converted in France into flour, and that wheat had been made into bread which was agreeable and nus, and superior to the common bread used by the lower on the Continent, was mentioned to you in the first four correspondence t

these facts concur to show that it has been the plan of reator to make nearly the whole animal and vegetable ms applicable and subservient to our subsistence; and with few exceptions, all the plants of the field and the if the forest have been purposely so formed as to yield r substance to mankind nutritious and pleasing food, is even litter and unpalatable may, by skill and treates washed from them; and thus the amplest care has aken that the lords and most intelligent beings on the

Quarterly Review, vol. 52, p. 410.
 Seer. Hist., vol. 1., Lett. IV., p. 51.
 E' 2 2

earth shall never perish for want of gratifying aliment, whatever be their numbers. Most of the animal and vegetable genera have been and are in use by some people, for this purpose, and both nourish and please them.

As far, then, as the question of our sustenance rests between man and his Creator, there is a most diversified and abundant provision made for him, which will never fail for his support through all his generations, let them spread as they may, as long as herbs and trees can grow, or animals exist in addition to all the corn and cattle that can be reared.

It is, therefore, contrary to reason and fact to imagine that our population will in any age of the world be starved. The maintaining bounties of Providence will always be exuberantly on the earth, ever ready to be converted or applied to all that require them. Our Creator raises them in or upon the surface for the benefit of all. But, having done that he leaves it to mankind to avail themselves of his provision, and to circulate and distribute it to each other, so that every one may have what he needs. This is an affair entirely between man and man. There is always plenty on the earth for all. however much any may be destitute of it. It is the purpose of the Almighty that human care, industry, skill, and judgment, and human virtue and benevolence, should be the agencies and instruments to cause every one to partake of what he is always amply giving. That any want when there is enough in society from its great Author for all, evinces that our legislative provisions, and our civil and social arrangements and course of things are yet defective or insufficient for the gen eral welfare. That any one should, like Mr. Hazlitt, be two days without food, in a metropolis abounding in plenty (and in all nations there are thousands at times, if not always, in that state), is a circumstance which announces, not that we are overpeopled or that nature is inadequate, but that human wisdom and benevolence have still to devise the means of ensuring to all the subsistence and necessaries which they want. It is man, not the Deity, who has to think and act rightly on this subject, and thereby to remedy this great social evil.*

[&]quot;William Hazlitt, a few months before his death, met Hone in the street, who inquired after his health and circumstances. Both were bed. He answered, 'You are aware of some of my difficulties, but no human being knows all. Can you lend use abilling? I have been without flood these two days?"—Manthly Mag., Mach., 1875. p. 256.

LETTER XXXIII.

Animal and Vegetable Matter, in any Porm, capable of nourishing Human Left.—Four Hources of it.—Three that will last as long as Man.—Probability that the Impromments yet attainable in Cultimation will always englist.—The Brufit of small Allotments and Apade Husbandry under wise Regulations.

MY DEAR SON,

A few more observations and circumstances will complete our review of the plane and purposes of the Deity in his established eveters and provisions for our subsistence. We see that he has designed that our hodies should be nourished. their moving particles be supplied, their structure continued. their living principle be refreshed, and its union with them be maintained, as long as the association is to continue, by ammal and vegetable matter, and by the othereal agencies which accompany it. This matter always commits of some of those elementary particles of which the earth steelf is comnounded, and chiefly of the four great principles which seem to be the basis of most -oxygen, hydrogen, azote, and carbon. But, in order to become serviceable in the offices of nutrition to us, these material elements must undergo the action of the living functions of organic life, and by them, in their organizations, he elaborated or prepared into that state and into those combinations which give to them their shinentary efficacy upon us. One form of animal or vegetable organization would have been sufficient to make that elaboration of the material elements which would be nutritive to us, but, instead of confining his supply to any single mode, we find that our Creator has chosen to place and arrange it in thousands of diversified forms, which his Divine imagination has in-It is of no importance to its sustaining effect from what figures or compositions of it the nutritive matter is passed into our stomach. Our mastication destroys all forms. Our teeth have been devised to break and comminute them. into armall fragments, and the digestive process dissolves every kind into smaller and finer molecules. But he has chosen to please our eye, and produce to us both intellectual pleasure and improvement, by shaping the materials of our food into those innumerable forms and appearances of beauty and interestinguess which the several species of the two organic kingdoms of nature are everywhere presenting to us. was not at all necessary to our nutrition. That depends on the material particles of which the plant or animal consists, and not on its figure or colour. Azote is the peculiar and predominating principle of all animalized matter, as carbon is of all vegetable compositions. By either, or by both, in the elaborated state in which we receive them, in their organized arrangement, we are nourished, and our present life is continued; but, as all vegetables contain the one, and all animals the other, and all shapes of either are destroyed in our mouth and dissolved in our stomach, it is quite the same as to their nutritious operation from what figures of either we The bird, the quadruped, the fish, the insect, the serpent, eel, and other animal forms, alike present to us the animal matter that will benefit us, as every species of eatable plant brings also the vegetable element we can live All forms of them being equally nutritious, it is really indifferent to our subsisting life from what organized figure they come. To which we shall addict ourselves in preference to others, has always been, and always will be, as far as we can yet foresce, a subject of national habit and indi-These are everywhere varying. None servilely vidual taste. copy others. Each country has subsided into customs in this respect satisfactory to its inhabitants; and each seems to prefer, in inclination, such as it has adopted, and to adhere to its own articles and mode of diet from actual liking and deliberate choice.

The true view of philosophy, therefore, seems to be, to regard all the animal and all the vegetable kingdom as two great magazines of nutritious matter, provided by our Creator for our subsistence, and set before us, in all parts of the world, for our use and gratification. We prefer the corn plants, and culinary vegetables, and our domesticated herds, and flocks, and poultry, and selected game, for our daily food, and leave the rest of the existing fund of animal and vegetable matter, generally, untouched and disregarded; and we are right to do so as long as these will suffice us; but when we are speculating on the question whether human nature can be continued on earth, unless its population be checked or diminished, it is

right that we should remember all the sources of subsistence which will be always at the command of our multiplying posterity.

The facts of the last few preceding letters prove to you that there are, and will always be, four distinct processes and sources of nutritive matter to us, of which every generation may avail themselves: the cultivable ground of our surface, the increasing produce we may raise from this, the other vegetable matter which is convertible into palatable and nutritious food, with the great body of animals in nature, not now used by us, to which others may resort; and the possibility that future science may discover the means of imitating the operations of organic life on the material elements, and of elaborating them into a nutritious form by human chymistry, as nature is now daily doing by her vegetable and animal economics.

Of these four sources of supply the first three are certainare before us-are always in our power; the last is only, at present, a conjectural possibility; but it is at least as probable to occur as it is that there ever can be on earth that multiplication of our numbers which will make it necessary as a last resort. I think we need not doubt that our surface and its cultivated produce can be hereafter made to supply all the food that any numbers which may arise will require.* But if any choose to extend their imaginations or their apprehensions beyond the vast amount of human beings which these two sources can be made to supply, then, as long as any forests remain, or new ones, or any other vegetable besides the corn plants can grow, or any species of animals are in being, the marvellous numbers of human kind that are supposed capable of coming will here find supporting and sufficient nutriment. Our forests, and the new plantations that will ever be succeeding what may be cut down for use, will be at least as inexhaustible as our coals. Wood convertible into bread, and coals usable as fuel, may be expected to last as long as human hature will be on this earth, though it is one of the most improb-

^{*} Many facts show how land hitherto uncultivated, or of a very infefor kind, may be made to yield great quantities of useful food. "In 1835," I read. "part of the sandy soil of Bagshot-heath, one of the most burnen parts of the kingdom, has, last year, yielded at the rate of ten bushels of potatoes an acre, and has now a luxuriant crop of cattle-cabbage, of not less than forty tons to an acre, growing on it."—New Monthly 1822, 1835, p. 415.

able of all possibilities that mankind should ever be calle to make loaves of their trees, or puddings or porridge of grass and straw. But it will be rational to contrast I improbability with the other. That there is plenty of la tilled on our surface to cultivate, a former letter stated. may be made highly productive.* No fact can be mo tain than this. It is not less obvious to the enlighten server, that, even where laud is in husbandry, it is not a tivated as to yield the quantity of produce which, if dale eged, it would now supply. This is declared to be the even in England, and still more manifestly in Wale withstanding all the demands which have been made un The same complaints have been made as to parts of Sco If our improved island be still in such a defective sta its present produce could be easily doubled, we no wonder that every other country is now growing so mus than it could do, even from the ground which is in ca

* The Rev. H. Berry, in 1833, thus stated the improvements Coka, who has been one of the greatest of the agricultural been of his age: "Mr. Coke's estate, round Holkham, consists princt sandy loam, or light gravel of the same character, with occasion sandy name, or plant grave of the same character, with occasion not frequent, patches of bog. The bog was covered with low alder and sedges, which seldom failed to hold a fox. They are now, skilful application of capital, highly productive water meadow he first came to Holkhain, an estate that was tithe-free let for e pence an acre; subsequently at three shillings, and was left by i ant because he would not pay five shillings an acre. Now let spondency cease as to the capability of our poor soils to produce to be properly, under a system of judicious management. From this Mr. Coke has, by his superior management, obtained 79 bushels ley per acre; and on the same land, and also on land of a similar; his crop of WHEAT produced rather more than 34 bushels an acre. was obtained from land decidedly not wheat-land, but it shows wi tivation will achieve."—New Farmers' Journal, 13th November, 1 † We have been assured by the highest practical authority, the England in general as well cultivated as Northumberland and L

it would produce more than double the quantity that is now of from it with a less proportionate outlay."—Edin. Review. N

1 Mesers. Kennedy and Grainger, in their "Observations on the ent State of Tenancy in England," remark: "Nor does Wales, i eral, produce half what it is capable of doing under proper manage But whatever requires a little trouble above the natural producti

whatever the land is thought quite unnecessary, and is totally neglected."

§ "In some of the northwest districts of Scotland, where it is netomary to grant leases, agriculture is worse than in Wales."—Edi
view, No. 120, p. 397.

In 1833, Mr. Colgate, of Chevening, described how he had on

The same small proportion of producible food that is actually . now raised, appears in the most opposite quarters of the globe, and alike in the New World as in the old one. It was noticed in Wallschia; * it is complained of in South America. † It is so, in some degree or other, everywhere else.

But if the whole of our lands now in husbandry would produce double their present harvests if all were properly cultivated, then we can support twice our present population by merely making good farming general; so that, as it would take fifty years to double in at our present ratio, we are safe for this period from outrunning our subsistence. When that term is reached, the cultivation of the ground now lying waste would meet the wants of the subsequent numbers : and the introduction of the spade husbandry on the inferior lands would make them as productive as better soil. This is the case in Flanders, as we noticed before. It is so in the Tyrol. The spade is there used, I and such is its efficacy, that the English occupier of twelve acres cannot live so well as the Tyrolean peasants with his four acres. The picture drawn of one of these little farmers there, who lived on the produce of only four acres, is very curious and interesting. In his house Mr. Inglis found-

"Bix persons at dinner at eleven o'clock—the peasant and his wife, hale people, about fifty; a son from Trent. another at manhood, and twin dengaters about sixteen. They had soup of Indian corn; about five

tained four quarters of wheat from half an acre of ground, by drilling and hooling. Of two sorts of corn, he says of one, "I have this year news five quarters and a half an acre, while the remainder of the field, we with red wheat, produced only seven sacks an acre."- New Farmare' Journ., 20th November, 1833. All such things show what may yet be done.

Dr. Walsh found it thus in Wallachia: "Wheat is the principal agricultural produce, but the quantity raised bears no proportion to the minut and fertility of the soil," p. 293.

| General Miller, as he travelled in Peru, says, "The land here proes cocon-leaf, rice, Indian corn, pineapples, &c., in great abundance and of excellent quality, when cultivated, though very small quantities of these things are grown, owing to the laziness of the people who super-tained or work on the hacienda, and whose almost only food consists of the blanched potato, sun-dried mest, and capsicum. Vegetables are Carcely ever seen, although the soil and climate admit of the production orts for the table "-Journey from Cuzco.

"The Tyrolean small proprietors work entirely by spade hosbandry, ad have no occasion for the outlay of an English farm."—Inglis, "The Tyrol."

§ Ibid.

mounds of bacon, boiled; a salad; bread, made two thirds of Indian corn

and one third of wheat, and a little butter.

"The whole of this land was four acres; of this one third was devoted to Indian corn ; half an acre was in wheat, another half of one in barley; a quarter of one was in flax; one acre and a little more was in grass and wood; and a quarter of an acre in a garden, containing cab-

bage, potatoes, salad, and a few cherry-trees," **
"The Indian corn was used in the establishment; one half for the family and one half for the winter food of the cow and other animals. There was a considerable surplus of the wheat; and this, with the barley, was taken to the Brixen market, where they produced more than was aufficient to purchase coffee, sugar, wine, implements, and the clothing needed. A small money stock was also saved beyond all that was required, which amounted now to a considerable purse. The fix was spun, and woven, and fashioned in the family. The grass was all needed for summer pasture for the cow. The wood supplied firms. The vegetables were looked upon rather as a dainty.

"No cheere was made, because the soup consumed all the milk, except a little that was saved for butter. Besides the cow were two pigs, a litter of young once, and a number of hens. The dinner I had se was the regular dinner of the house; except that, about two days in the fortnight, some fresh meat is bought at Brixen market from the money obtained by the sale of eggs and fowls. The master and his see, with a little assistance from his daughters, managed and tilled the ground, which seemed a good, lightish soil, and was remarkably clean."

If such a family could be thus maintained from four acres. who can entertain any dread of a population being ever greater on earth than its producible food can nourish, when he computes the number of acres available on the earth !‡

That the spade should supersede the plough would be a retrocession of civilization, which would be followed by consequences highly injurious to society. For the most complete cultivation and the most generally abundant harvests. the ploughshare must work, whether horses drag it or ma-

^{*} Inglis, "The Tyrol," vol. ii., p. 5.

[†] Ibid., p. 7. Mr. Inglis ascribes much of the superior comfort of the Tyrolean peasants to the greater produce and nourishment of the Indian corn. "The fine athletic peasantry of the Tyrol attest the wholesome and nutritious qualities of the Indian corn."-Ib., vol. i., p. 180. " He told me that he had never known his crop of Indian corn to fail, though it had varied; but his wheat had several times been unproductive; sometimes from insects, sometimes from other causes."-Vol. ii., p. 9.

[#] How much the subsisting produce of a country may be increased by more and better cultivation, appears in the remarkable augmentation of the exported corn from Ireland within one century. "The quantity of grain exported from Ireland in 1728 was 29,63% quarters." In 1885, the exported corn had increased to 12,774.442 quarters, that is, 400 times is amount. So that the superfluity of Irish produce is now above 400 times what it was one hundred years ago.

chinery impels it. Human labour slone must always act upon a small scale of effect, compared with the assisting power of ammals and mechanic conduitors; but the stude may freenently be an important ally in the hands of small cultivators. and operate beneficially on the interior soils, which manual labour, so employed, may make more productive than art and capital could be no efficiently and no profitably applied to. " When more produce is wanted, the spade may be thus empleyed colleterally with the plough—a subordinate instrument. sheed, but with a co-operating and conceding result. At trement, when the cultivation now in practice, with all its inepelates and imperfections, is everywhere raising more than the consumution demands, there is no occasion to resort to the manual operation for the purpose of procuring corn.) When the numbers meresse so much as to need more sustemance than the ploughed lands will yield consistently with their other produce, the spade may be put into activity to enhance the aupply. But, until this necessity shall arise, there is no occasion to increase sufficiency into superfluity. In the mean time, the allotted eveters and its personal labour, during the unoccupied time of the agricultural assistants, may be very unefully applied to the increase of their domestic comforts and to the improvement of their individual character f

At the spawed Labourers' Priend Noviety, Mr Pithington mentioned the same had thought that labourers would, by thered crops, empower in the land, but no include had a toroured to warrant the opinion. On the contrary, the alternation were found to increase in productivement. They deplayed a spirit of emulation in their cultivation, and land which had been considered barren and would entre a rathit, had been made to yield reminerating crops."—County 6 hron, 7th Dec., 1823.

I flow things on more astisfactorily prove that Europa is producing the corn than impopulations consume than the appeading cultivation of basis-post for eagar. It is 25 there were nearly 200 monufactories of this is only two of the departments of I raise. In Nord and Pise do Colons, producing animally 2000 1600 to one of the local and Pise do Colons of the local and Pise do Colons of the local and Pise of the local and local and

Es temperous the comforts of the labouring classes, restored the most some of which destructes and dependences had deprived them. And

Without injury to the farmer or to the community, they can raise their little stocks of nutritious vegetables for themselves and for their class of society, which would give them more food, and conveniences, and independent maintenance than they can now enjoy.* It should be always an object of philanthropy to make our poorer brethren as much easier in their circumstances, and happier in their feelings and prospects, as wise measures and kind thoughts for their welfare can occasion. The allotment system, under judicious management, has, in numerous instances, produced this result, and promises to be more extensively beneficial, and will be better understood and directed in proportion as it is tried and practised. † I rejoice, therefore, to see our nobility and gentry, whose respective character and conduct, as classes of the British population, are distinguished by their liberality and benevolence, encouraging the experimental exercise of this humbler husbandry. I Under prudent regulation, and with the

will clear the country of much of its poverty, and a great proportion of its crime. William Allen's cottage colonies, at Linfield, in Susset, form, in the woodland scenery, a cheering picture, creating comfort, happiness, and security where there was waste, and misery, and moral desolation."—County Chron., lat February, 1834.

* Mr. William Allen thus describes his benevolent system and object:

"The plan is, to cultivate these allottments by the spade entirely, in a certain rotation of crops, which afford the greatest quantity of food for man and beast. We have found, that if the farmer's labourer is permitted to have one acre of land, at a rent from 30s. to 40s. for the acre, he may, by saving manure, and cultivating the land half in potatoes and half in corn, realize 3s. a week in addition to the wages from his employer, and derive many comforts to his family besides. In some instances, the wife and children have done most of the work. The labourer has, in every instance, a quarter of an acre for a garden in addition to the acre."

The Marquis of Chandos, one of the warmest and most intelligent patrons of British husbandry, expressed his approbation of the system at the Bucks Association in 1834. "We must induce the labourer to earn his living without parochial assistance. In my own family, we have found the allottoment system so advantageous, that, in several parishes, the rates have been greatly reduced, and, in one, entirely takes off."—County Chron.. lat February, 1834.

1 "The Bishop of Bath and Wells, one of the earliest and enlightened."

The Bishop of Bath and Wells, one of the earliest and enlightened friends of this plan, has taken Io acres of land in the parish of Charlecomb, near Bath, to let out to honest, industrious families, in a quarter of an acre to each; the rent, after the first year, to be 14., with the conditions not to receive parish pay, not to work in it on Sundays, not to be a drunken or dissipated character, and not to keep a beer-shop. "—Keenes Bath Journ., February, 1834. "At Saffron Walden, Lord Braybrooks has patronised allotments upon an extensive scale, and, for five sessions, there had been no prisoners."—County Caron., The December, 1831.

guardian superintendence of enlightened proprietors, it will animate and meliorate the disposition and conduct of our agricultural peasantry, and train them to be spontaneously moral and intellectual beings to such a degree as will strengthen the foundations of our social fabric, and make them respectable and respected members of its most numerous compartments.* This system, however, like all human schemes and institutions, requires a prudent superintendence, and those regulations which, in producing all the effectible good, will prevent or modify any evil consequences.†

With all these realized effects, these prospects, plans, resources, efficiencies, probabilities, and possibilities, and with that spirit of intelligence, philanthropy, and moral purpose which is now actuating our countrymen generally, and spreading largely in every nation around, we may look forward to the continuance and multiplication of the human race on our globe with joyous hope and well-grounded belief that every

The Marquis of Saliabury is a strong advocate for small allotments, with spade husbandry, to the poorer classes. In the parish of Hatfield sizes, by the adoption of this system, he has effected a saving of several thousands: a year in the parochial expenditure "—Standard, 16th February 1872."

The Duke of Bedford, the Marquis of Lanedowne, Lord Kenyon, Lord Morpeth, the Bishop of Lichfield, and several other noblemen and gentlemen, are giving the system a fair trial and generous encouragement. Hr. P. Thempson's plan, near his seat at Errick Park, is thus noticed:

—— Every labourer or humble mechanic, in the parishes in which his catastan lis, is provided with one roud of land independent of garden or crebard, at the same rent precisely as is paid by the farmer. The happlest results are experienced. The truly industrious with their families, are seen constantly busy upon their allotments. Those of habits less fixed are found to cultivate theirs with profit, satisfaction, and content. The rents are paid half yearly. Each trenut has a printed copy give to him of the rules by which he holds the land. It is to be cultivated by manual 1, hour alone, with the atriclest regard to honour, morality, and good neigh, urbood.—County Chron., January, 1834.

I The rate adopted at Warminster was—"The quantity to a labourer about he what will supply his wants, but not be enough for sale; a quarter of an acre would do his." A firend to the plan very sensibly says, "I should like to see the spade in use in every parish by the cottager on his allotmetim, but he has no businesse with the plough, and sught to have no more laid than he can fairly manage with his own bands and those of his fairly!" One person, when his spitication was buffered, because he was not of good character, said, "Give me an opportunity of honosity employing my time, and my land shall be as well called us the rest." He has kept his word; he has bollow drained his land, and his rent is panetually past."—New Monthly Mag., 1955.

generation will increase in happiness as well as in number and in rightness of conduct, as progressively as they must advance in knowledge, and may advance in piety, talent, and mutual kindness and urbanity.*

I will close this letter by a striking instance how much the manual industry of a worthy poor man may improve useless land, and by another which shows that the poorest may, by care and diligence, attain even a respectable portion of moderate property: both indicating how much the mind and character of the man, as well as the produce of the country, may be advanced.

"Edward Richards, aged sixty-eight, the father of six children, and sen of a poor man, had resided fifty-two years in Cirencester parish, and, during the early part of his life, was a common labourer.

"About 25 years age he agreed with a farmer to clear out an acre of rough quarry land, on condition of having it three years rent free. On this unpromising spot he and his wife applied their surplus labour to such advantage, that, during the three years, he cleared 40%. He then purchased two acres of thin, poor land for 50%. These two acres have long been in a highly productive state. Soon after he entered on this cultivabeen in a highly productive state. Soon after he entered on this cultivation, he raised, in one year, seven QUARTERS OF WHEAT from it, and has refused 100 guineas for it.

" He obtained from Earl Bathurst seventy-five perches of waste unproductive land, at a quit-rent of 10s. He has possessed this spot thirty years, and has brought it to a state of great productiveness. For the last ten years he has rented five or six acres of land, besides these two plots; and during that time has kept two cows, and sheep, and pigs."—The Labourers' Priend's Magazine.

"Mr. Gray, of Pacham, died at seventy-four. He and his wife afford a rare instance of frugality and industry. They were both born at Pacham, in 1761, of poor but honest parents, who had large families. They went to service in farmhouses at an early age, and were married about twenty-one. Their parents, dying, left them nothing but the wide world before them

"He worked as a day-labourer until he had several children. He then hired between three and four acres of glebe land, and had the field of the churchyard, which enabled him to keep a cow, and bring up s family of ten children in a very respectable manner, without any expense

to the parish

- "He has followed his daily labour till within the last two years, helding his occupation to the time of his death. It is supposed that he has saved between 1000 and 2000/. His widow and children survive him, and are living in a very respectable manner. He lived and died an honest man."-County Chronicle, 7th January, 1834.
- * I cannot avoid adding an extract, marking an instance of judiclous encouragement to the industry and integrity of our poorer brethren. "Oa lat of November, the Bishop of Bath and Wells gave a dinner of roast beef and plum pudding to 205 tenants of the allotnients let out by him." -New Farmers' Journal, 8th November, 1823.

It is a pleasure also to find that the comforts of the labourers are is-

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comfort.* The simplest and most natural are as gratifying as the artificial to those who use them. t

The Prussian nation is one of the most cultivated of the present day; and yet, with all their prosperity and improvements, they make bread and butter their favourite food : and, next to this, potatoes, cooked in various modes, which they find sufficiently gratifying. The Greek sailor lives upon olives and bread. The habitual fare in a chief laird's house in the Hebrides but forty years ago was no better; it was not less pleasant or satisfying because it was the simplest aliment in use. I In the early part of the last century meat was a

* A lad in a village, lately taken up for stealing, was sentenced to three months' hard labour in a prison. The policemen told him that he would there have to live on bread it. "Shall I have bread it." was the hoy's answer; " that will make me quite happy. I don't wish for anything better."

† The feelings of a British officer in the Egyptian fleet of Mehemed Pacha, in 1833, on this subject, written with a recollection of the privations he had there to undergo, and of the things offensive to him he had to eat, will illustrate the natural state of the case on this point. "In England, we hear every day of the distresses of the poor Irish living on cold potatoes! I can tell you that cold potatoes are no such contempti-ble food; for I remember the time when one of those would have been considered by me as a luxury. A raw turnip would have been preferred to boiled horsebeans and oil. Talk of bread and water as a punishment! why, if we could have got hold of a supply of this, we should have eates till we had almost choked ourselves. So no more about the miseries in England. There are no such things in existence."-Unit. Serv. Journ.,

1834, p. 368.

1 "The Prussians are in general extremely abstemious; bread, butter, and potatoes being their principal articles of consumption. The potatoes are so with the lower classes; but I have seen all ranks partake of the breud and butter half a dozen times daily. If you visit a friend, it is more than probable that the lunch will be butter bainme, bread and butter. If you go to an inn, and order refreshment without specifying anything in particular, this will certainly be brought. But, however popular it is, it divides its empire with potatoes, which may be deemed the national food, since I have frequently seen them served in aix different forms. The bread was made from them, the soup thickened with them, fried potatoes, potato salad, potato dumplings, and potato cheese. last is one of its best preparations, and will keep many years."-Sketches of Germany by an English Traveller, 1836.

Man. Chron., 14th July, 1836.

Mr. Matthias d'Amour, who was a domestic in several great familles thus describes the Laird of Rasay's house, when the family he served paid their visit there, between 1780 and 1790. "All the servants of the establishment, without one exception, lived exclusively on two meals a day, and these meals were composed of thick water porridge and butle-bannocks. I had now and then a little exceedingly lean meat allowed me to dinner. Contrary to their customs, I had breakfast allowed me

sarity in Scotland, and confined to the chieftain's or maste The diet of Dr. Adams was of this abstemious n ture, and is represented by his biographer as "a true pictu. of the life led by many a Scotch scholar. 14 How differen or the invited by many a coordinationar. I show universitate is a Scottish breakfast, even in the Highlands! but a sow is a occurrent oreasisse, even in one ringuismis; out so though so varied and shundant from the progress of wealth and individual enjoyment, it is most probable that the earlier generation were an happy with their fare as the present with all their affluent exulerance t

The great purpose of our food has been that it should maintain us in life, health, spirits, and strength. That it is highly pleasurable has been added, in the system of our nature, as an additional benefaction; but the utility and the gratification an sentences recurrence on , one year or or year or granter or must not be confounded with each other. The pleasing may muse not on community with each orang. The pressing may be mistaken for the serviceable, and then the intended benefit will be lost. The sparing diet has been found to be most preventive of fatigue on a laborious journey, \$\phi\$ and even to be

which consisted of curd of sheep or gust's milk. My supper was of the man material. I commonly dired with a few of the other accounts on Metthiae d'Amour.

athiae d'Amour.

D'Amour an represents it: "It was very sellon that any meet * D'Amour an represents it: If was very sellom that any meat the first table, and that was an excessively lean that I did was left from the first tanis, and that was so excessively leaf that I did not cape for it " in 179), died at Edinburgh James Mirachan, aged and care for it. In 1791, men at reminurgh James Birachan, aged the hundred and five a first-radio. He recipieded the time when he and numerous and nive, a mean-casin. He reconsected the time when no success would venture to kill any head until all the different parts were cher would venium to all any beam until all the different paris were maken. meat being then an unsaleable article " – Eastin's Hum. Long.,

He indged in a amail rison at Reatairig, in the northeast suburb, I'v He inaged in a amui rimit at itematrik, in the northeast buburn, Md. for this accommodation be paid fourpelies a week. All his meals aw my this accommension no paid margeness week. All his mests theory dinner uniformly compated of orthord finde into partially, together stoom distribution of the second state of the second state of the second vans ne wisnes in ome ne purcusera a penny mai as ine nearest liker's shop. He used neither coals nor candles, but when he was chill were a seep. He used henner coals nor candles, but when he was chill based to run till his blood began to glow," ...('hambers's " Lives of

I met e rayer tous sassenes a manero trigunom uras repessos. W breakhast tous Excellent mutton-chops, eggs, bruiled chickens, w menantary now excepted monton-compa, east, brussed enteriors, and ham, together with ten, coffee, rich cream, and the best but tion, and nam, together will tra, comer, rich cream, and the best but-proposite, componed a breakfast which did not diegrare the name which digitalized have deservedly acquired for that meat, " France's

wang semuggiers.

An English traveller from Helgrade to Constantinople, in which An English traveller from tiergroot to a operationaper, in which were few stages under thirt) miles thus wrote in his journey in y were now stages unner (mrs) mises this wrote on his journey in the plant I pursued, not only in this, but in other riskings must extended. Est very initia, and avoid meat, wine, and Planting more extension. For very little, and evolutions, wine, and y. Boiled broad and milk at light, the same in the morning; and analysis and make morning; and make the morning; and the morning of the same and the morning of the same and the morning of the same and the same iy. moneu mreu ana mma as mgas , me aame m toe morning ; and seeped in sugar and water, in midday, will be reflected by your

most refreshing in the vigorous exercise of a hunter among the mountains of Switzerland.* Plentiful eating is, therefore, not necessary to strength or ectivity. On the contrary, it so usually lessens or counteracts even our mental elasticity, as to have led our fictitious Poter Pindar to his satirical line—

"Fat holds ideas by the legs and wings."

But the indulgence of the feeding appetite is so pleasant that few can resist its allurements. Even the knowledge of its diseasing and sometimes fatal results will not overcome the desire to renew the immediate enjoyment.†

Those who make their diet a predominant object of their daily life will indulge exuberantly in it. The respectable classes at Vienna are represented to us with this propensity, and as making it an earnest object of their attention; It is right, however, to add, that, if they yield to this bodily inclination, so dangerous to continued health, they have been highly

support. I know you will bring from Semlin cold fowl, and ham, and saudry other things; but I had to throw them all away, as they got spoiled. I found that extreme temperance enabled me to support the fatigue."—Morn. Herald, 25th November, 1833.

"Mr. Carne thus speaks of an English navy-captain who had retired to Switzerland to be a channois-hunter:—"His unfailing resource against fatigue and privation was not the usual flask of brandy or kirch-wasser, but a large lump of white sugar, the virtues of which he excolled to the akies. When hungry or exhausted, he sat down by a brook and devoured a piece of this talisman, and then soon went on with fresh vigour and energy."—(a rare's Travels in Switzerland.

† The common dram drinkers show this effect every day; but one of the strongest instances I have seen of such a deliberate practice of the "Dum vi-imus," was mentioned by that clover and humorous surgeon, Mr. Wadd. He was called to a respectable lusty farmer, who had indulged in his strong home-brewed ale till a serious illness came upos him. After some attendance, his medical friend told him it was clear that, unless he left off his favourite beverage, he would not live six months. "Is that your serious professional opinion?" "I am certain of it." The farmer thought a few minutes; tears came in his eyes; he sighed heavily, and at last said, "I am sorry for it—very sorry; it's very hard; but I can't give up my ale".

‡ At Vienna, "eating, everlasting eating, forms with them the chief charm of existence. It is here pursued in a most determined manner. The first day I took my seat in the diming-room of a lotel, the whole group of gourmands, previous to tak ng their places at table, cast off their coats. On inquiry, I learned that this cool, systematic mode of stuffing is very generally practised throughout the city at this hot season of the year, and even in the houses of some of the nobility."—Strong's Germany in 1831. Another traveller confirms the fact as to the divestment of the coat, but mentions that, in the higher circles, they have a silk vest moder it. which is not indecorous.

praised for their general amiabilities.* Some can feed largely, and yet reach at advanced age. Goothe was one of these ." but as the larger portion suffer or the uniter such abundance. it is right for us to bear in mind that the may be as happy to all as well as safer, who accusion, then selves to inocerate repasts. Instances of such self-restraint in the highest circles. and with the most affluent means, this prove this to use liwas General Lafaverte's naprt : The I renct gentiemat who had settled in Philadelphia from Bordeaux and latery died worth eight millions of dollars, while he treated his triends as liberally as they desired, kept steadily to his totlearing resolutions, in order to avert disease (Perhans if the Americans indulged less profusely in the contrary tabit, they would escape those disagreeable inconveniences which its some parts have almost become a national command. The unsalutary effects of errors in this respect, in quality as wen as in qualityty, of what is taken, are not confined to the Community, conti-

. "The Viennese is as changeful in his passions as he is in his pirms wes. He hates and loves a dozen times a day but he rare's allows the sun to go down upon his wrath. From al: that I have heard, I am led to believe that, for kindness of disposition, the people of this city have scarcely any equals. Their charity, too, is as boundless as their pairintism. They love no country half so well as their own, and counder none half so happy."-Strong's Germany in 1831.

† "Goethe ate a great deal, and even when he seriously complained of want of appetite, he often took far more than other younger and healthy ersons. He was particularly fond of fish, mest, pastry, and sweetmeats. He never would own to having committed a fault in diet; and his intemperance in eating caused frequent fits of indigestion."-Dr. C. Vozel's Account - his confidential physician.

1 "He dined at home as often as possible, and his frugal meal invariably consisted of a little fish and the wing of a lowl. He drank nothing but water. I have not the least doubt that his sobriety and temperance. and the regularity of his regimen, greatly contributed to exempt him from the infirmities of old age."-Dr. Cioquet's Private Life of Latavette.

M. Girard died. aged eighty-two. He hved on the most simple food, plainly cooked. For the last five years be confined himself altogether to a vegetable diet, abstanning entirely from animal food, in consequence of a liability to erysipelas."—American Papers, March, 1832

il "There is a fashionable complaint in this country. Everybody has dyspensy. When I arrived at New-York, all the gentlemen made excuses for their wives not waiting on me, as they were suffering from dyspepsy. I inquired of an old gentleman what this was. 'Why, ma'am, a genteel name for indigestion. We folks in this country, and particularly the ladies, eat too many meals in the day, and they take no servise except in their rocking-chairs, and no wonder they have indi-gestion. When I arrived in I experienced the truth of his ob-servations, for refreshments are brought in at ten in the morning, and ge nent; they have been as strongly described as marking Garmany as well as other countries.*

We are apt to mistake the power of eating largely for the utility of the indulgence, and to rejoice in that degree of appetite which induces or enables the individual to make a plentiful meal. In this respect constitutions differ, and the state also of the same constitution at different times, and at the different seasons, or under the various changes of the atmosphere. Each must, in this respect, judge for himself as to the time and degree of the prudential forbearance; but it is serviceable to know, that when enjoyment injures, self-government may restore the comfort.† The fatal effects of under quantity may, however, occur so rapidly as to give no time for the remedial corrective.!

The desire to eat is no guide as to the safety or salubrity of gratifying it, and yet the human stomach can, by habit, in some, be brought to bear an enormous quantity, especially in uncivilized life. The Esquimaux have been noticed for this, of

on till ten at night."—Narrative of a Tour in the United States, by a left. Metrop. Mag., 1832, p. 106. The "particularly the ladies" of the old gatternan looks like the man painting the lion instead of the lion deliaesting the man.

* Dr. Johnson's opinion of the insalubrity of the German diet at their tables d'hôte is very decided. "Bir Francis Head has remarked that 'the dish which is not acid is sure to be oily. Every loathsome ingredient which the three kingdoms of nature can furnish is crammed into every pot and saucepan. They do not live and thrive on their cookery. They wither and die on it.' He describes much if the curtailment of life and deterioration of health to their complicated cookery, their inordinate addiction to tobacco, to malpropre habits, and the quality of their drink."

—Dr. Johnson on the Baths of Pfeffers. Metrop. Mag., 1835, p. 303.

† Horace Walyolo's Letter to Sir Horace Mann, in 1752, gives as is-

† Horace Wallyslo's Letter to Sir Horace Mann, in 1752, gives as instance of this. "Your father, who has been dying, and tasked nothing but water for ten days, the other day called for roustheef, and is well; cured, I auppose, by this abstinence, which convinces me that intemperance had been his illness. Fasting and mortification will reason a good constitution, but not correct a bad one."—H. Walpole's Letter to Sir H.

Mann, vol. iii., p. 3.

On 34th December, 1833, "a remarkably fine full-grown boy, age eleven, dined with his parents on mutton and vegetables, and drak some ale. On the same afternoon he went to his uncle's. He found the family at dinner on roast goose. He took another meal of that, with some ale and sherry, and went home in high gice, trandling his hoop. But is an hour after he was in bed, violent pains in his stomach, and sickness came on. The medical men tried to relieve him, but he died that night in great agonies."—Coroner's Inquest, in public Papers, 5th January, 1833.

S Captain Parry and Captain Lyon mention that they saw an Esqui-

ev were far outdone by the natives of Siberia.* Yet a Dutchman presents a sort of companion picture in his of civilized life. In such habits we see little else than ing animal living only to eat.† Individuals with an inscraving appear at times among ourselves; but no one sitate to refer such apparent gluttony to real organic. One of this kind appeared in London a few years ho is now dead.‡ Another has lately been put forward notice by a public procedure. §

these extraordinary habits, whether from choics or , do not overthrow the general law on which the sysour nature has been formed, that health, safety, and fe shall be the usual reward of habitual moderation, with anal abstinence.

at with impunity from ten to twelve pounds of solid animal food purse of a day, and take with it a gallon of train oil.

is assected by travellers that a Siberian often eate in a day under of solid food; and Admiral Santcheff reports that he saw hat people eat, immediately ofter breakfast, twenty-five pounds of rice and three pounds of butter."—Dr. Caldwell on Physical on. p. 56.

heat six in the morning a slave brought me a cup of coffee. This pat of the many meals they take in the course of the day. At y breakfast, and it is a substantial meal of eggs, fish, meat, tongue, on ham, be-sides the usual printion of good tea. This is followed, a, by a tiffin or function. At two, dinner is nerved consisting y of all series of provisions. At half past three, coffee is handed with delicious sweetineats, which it is the custom to eat with all forks. At any they assemble to tea; and at nine a good hot supper hair list of the meals which, in the course of the day, a respectable family impose upon themselves."—Welsh's Voy. in Clientio-1., p. 322.

. 1., p. 272.

a was the man called Dando. "He has eaten at one aitting seen of large systems, with a proportionate quantity of bread and awardy and water; but he was one day suddenly states, it with era, and died in a few hours." Public Papers, 31st Augits, 1828, was summoned before the Middlesex ('ounty Court for pay, has provider, who stated his daily supply to be a lunch before it, at half post five, of five or seven muffins, with a put of hot selt; at eight, a breakhast of eggs, two rashers of bacon, water, and two hot rolls; at elven, two hot priny loaves and posched lunch; at one, a solid dinner; at three, coffee and toses; at five, saveral buttered crumpels; at eight, six pounds of poistose; at at tea, four or five park chops, with a hottle of whiskey punch bod with him to drink in the night. The man was ordered to sum claimed.—Pib. Papers, 10th February, 1837. But for auch process the quantity would be scarcely readily.

rigan readers must not forget that "large system" in England would be called outlier in the country. A man of undersite appetets may not three us two teams specifing the bounds of mericanties. —Jen. Ed. Our bodily life and nature can subsist on very little when once accustomed to it." Fevers are stated to have been cured by mere abstinence, t and Dr. Marshal Hall has so strongly urged a recourse to this natural remedy in several complaints, that I will add his sentiments in a note as well meriting your recollection. A very active, intelligent man of the world, Sir Francis Head, now lieutenant-governor of Upper Canada, has also expressed his sentiments emphatically to a similar purport. With these, as far as my experience has extended, I very much coincide. The late Dr. Gregory, of Edinburgh, was of opinion that most of those who could afford it at twice as much as was really beneficial to them.

It has been commonly thought that strong exercise requires strong food; and yet some sportsmen, whose amusement is aufficiently laborious, have found such diet necessary.

 "In 1769 died Philip Louher, at one hundred and five, in Shoreditch' London, a French barber. He drank nothing but water, and ate only once a day."—Easton's Hum. Long., p. 109.

f "A German doctor, during twenty-five years' practice, has never falled to cure intermittent fever by strictly and literally snarving his patients for three whole days. He allows them only a little water, and, after the fast, accustoms them to food again gradually."—Liter. Gazette, 1835, p. 205.

† Abstinence is a very valuable remedy in many of the more chronic forms of disease—in disorders of the stomach itself. To withdraw food altogether for a time would be to employ an actual and a powerful resect. It is the most direct remedy for plethora, and for disease, or a tendency to disease, in the head. It is the best remedy for apoplexy, and for diseases of the heart and arteries, as Valualva found, described by Morgani, 1, 2, ep. 17, s. 30. He remarks, that 'Dr. J. Johnston has also well touched on this subject."—Dr. Marshal Hall.

6 "I firmly believe that almost every maledy of the human frame is, either by highways or byways, connected with the stomach. The was of every other member are founded on your belly timber; and I must own I never see a flashonable physician mysteriously consulting the pulse of his patient, but I feel a desire to exclaim—Why not sell the poor gentleman at once, 'Sir, you have eaten too much; you've drak too much, and you have not taken exercise enough!" The human frame was not created imperfect. It is we ourselves who have made it so. There exists no donkey in creation so overladen as our stomachs."—Bubbles from Navasu.

], "The well-known Mr. Lockley, whose extraordinary feats in the saddle are notorious to all sportsmen, and who lasted past his eightich year, when he was accidentally killed by a fall while riding after his hounds, performed his hard work chiefly on weak liquids, ten and negation being the prevailing ones. His allowance of wine seldom exceeded the second glass when not in company with his friends, with whom he would indulge to a certain extent. At those times he was shy of animal food. I have beard him say that he could risk sures allow without kinds

Wir del Dr. Frenklin, in his younger days, in the then beery interestik of a presence. Meet dect is used more copiously in Highing, and especially in London, then in any other part if History, and yet it has a great tendency to cause come of the instit distracting complaints of human life, if it be made

Be preferminent diet.‡

The Mindee practice of subsisting on rice or grain is thought to be founded in its importance to their health in their subtry officers. Some experience of this may be the cause of their paraffer dist in sense nations. This has been suggested as in the unclasses feed of the Equimoux and Greenlanders. On the I do not pastend to judge. In their icy and storil regions they easiest pathage get enough of any other.)

B is not a very large part of the civilized world that lives

m bread and butter and strong green ten, than upon any other diet."-

France's Mag., 1836, p. 227.

* Br. Francisco says, "I worked at first as a pressman; I drunk nothing but water. The other workers, to the number of fifty, were great francisco of beer. I carried occasionally a large form of letter in each land any scairs, while the rest employed both hands in carrying one. They seems stryptised to see that the Arcerican equatic, as they used to sell use, was acronger than those who drawk porter. My fellow-pressman strunk site, posts of beer a cay. He had need, he said, of all this bear, a cay, He had need, he said, of all this lever, a cardier as acquire attentify for work." Br. F. endsavoured to convince him " start there was more flour in a penny lost than barley dissolved in a past of heavy and that, consequently, if he six this lost and drank a past of heavy and that, consequently, if he six this lost and drank a past of water with it, he would derive more strongth from it than from a past of water "—Dr. Franklin's Lake, p. 79.

The annual consumption of ment throughout the several kingdoms in the each inflathman in Spain; 22 Dec; in France, 38 Dec; in Faria, 28 Dec; in Great Brusin; 28 Dec; in and in London; 143 Dec; —Athen, 1825.

5, 50

Dr. Wallaston cays. "Animals fed exclusively on animal food

Bus those which intermit vegetalt e and animal diet."

5 "The Hindoos live generally on grain-flour; fail, another grain which, where boiled, becomes a perry, and is mixed with flour or rice. They have also giver, a species of facture, but very inferior to read butter, which they use on all occasions; and bread, made into takes like the focused butters. These are all their articles of food. This plain and simple made of living annua test particular position and climate, as experients shown that the two of animal food, in so warm a climate, enganders various diseases which the Hindoo is a atragger to."—Journey from Calcutta to Honday, in Un. Serv. Journ., 1835, p. 42.

§ Captain Ross remarks, "It would be very desirable If, in a polar remarks, the men could acquire the Greenland tood, since all superented has shown that the large use of oil and fat needs in the tree secret of his in these forms countries; and that the natives cannot authors with most it, because of large their pages the page the page of the "Work" the large the page the page the page of the "Work" the page the page the page the page the page that the page that the page that the page that the page the page that t

Burend Verage to the Arctic Biglions.

FOR 111-60

much on meat. Flesh diet prevails most in the two extreme portions of human society, the savage and the luxurious. live on animal bodies, those which man hunts, or kills, or can ensuare, is the rudest state of human nature. The use of agricultural diet, and the practice of husbandry to raise it. are the first steps of the savage to become a civilized man. Both the conditions of the uncivilized, the hunting, and the pastoral states, live mainly on flesh. The North American Indians were large examples of the first, as the Caffres in South Africa, and some of the Tartars, like the ancient Scythians in Northern Asia, subsist on the herds of cattle, with the milk they extract from them. The introduction of corn, and especially of wheat, was felt in ancient times to be such a blessing, that Divine bonours were attached to the memory of the individuals to whom it was ascribed in both Greece and Italy. The great majority of mankind have always subsisted on vegetable diet : even the most warlike and vigorous nations.* In our own country wheat bread was formerly the luxury of the affluent. Under the Tudors and before, rve and oats were the chief corn used; and barley bread, under the Stuarts, was the common sustenance of the lower classes. I Nearly to our own times it was the staple food of Cornwall o as oats were

* The habit of the Turks, in their days of victory and valour, as to their food, is thus mentioned by Busbequius: "The Turks are so parsimonious that they do not study their bellies at all. Give them but bread and garlic, with a sort of sour milk, known in Galen's times by the name of syllabub, and they feed like farmers, and desire nothing more."

-Bush. Travels. The hard and far-riding couriers of Persia travel on nothing more solid. One is thus described as with the usual meal of the common orders; "We settled ourselves on the borders of a rivulet, near a cornfield. The courier took off his horse's bridle, and permitted it to fred on the new wheat. He then took out from the deep folds of his riding-trousers a pocket-handkerchief, in which were wrapped several lumps of cold boiled rice, and three or four flaps of bread, which he spread before us, and added to these some sour curds, which he noured from a small bag at his saddle-bow. He drew out also half a dozen raw onions, which we added to the feast. We washed the whole down with water from the rivulet."—Morier's Haja Baba, vol. i., p. 160
† In 1596 it appears from Sir Edward Coke's household books that

rye bread and oatmeal formed a considerable part of the diet of servants, in great families, in the southern counties of England. In the reign of Henry VIII., our chronicler, Harrison, mentions, that the gentry had wheat for their tables, but their household and poor neighbours had only rye, barley, and oats.

to In the grant of a monopoly by Charles I., in 1626, barley bread is stated to be the usual food of the ordinary sort of people."-Hist. of Midand West Ch.

6 Mr. Coode stated to the Agricultural Committee in 1833, that in his

even in Yorkshire.* It was after the accessor of George III. that wheaten bread came more generally into use . But our ancestors were as hoppy without as we are with it. It is far preferable to any other; but no misery would arise from its absence if it could not be procured. We must not confound happiness with good esting, nor suppose that spare diet, and small quantities or small means need be or are accompanied with wretchedness, or even with discomfort. Mr Barry, the painter, whom Mr. Burke natronised, told me that he lived on catmeal and water for its cheapness, and found it pleasant and satisfying. Another gentleman abroad attained celebrity in the arts, whose diet, as he studied, was only bread and water :1 and Kean, the actor, who came nearest Garrick, avowed himself to have been happier in his greatest poverty than in his subsequent abundance. Scantv living is therefore compatible with intellectual improvement and a great enjoyment of life. When ailment makes it most salubrious. I know, by

recollection the Cornish peasantry almost invariably used barley; but that this is used very little now, wheat having taken its place. Other witnesses made similar declarations.

* A recent author says-" Down to the year 1800, the writer of this resonabors that outen bread was commonly eaten by the labouring classes of the West Riding in Yorkshire."—Hist. Med. and West, Ch. When I travelled with a friend over Scotland in 1789, I found the common bread was ostcake. This was usually brought to the table at most of the inns until we asked for wheaten bread, which in some was not to

† Mr. Smith, in 1700, in his tract on the Corn Trade, states, that wheat had then become more generally the food of the common people than it had been in 1689; but, even then, not more than half the people

of England fed on wheat.

of England fed on wheat.

Brisser says of Winkelman, so well known for his "History of Paissting," "That able academician, whose life Fontenelle has written, with an income of only 200 livres (about eight guineas), knew how to preserve his independence. In order that he might continue his studies, so opened à school in a village, and likewise provided for the subsistence of an infirm and aged father. Winkelman Lived Pron Bright and Na-TER. His mind was always at work, and he cometimes walked ninety or a hundred miles to see a statue."—Brissot's Life, p. 13.

6 " Edmund Kean, in his youth, was one of a corps of strollers. The suppose had no regular salary, but divided the receipts among them. Keen's weekly share amounted, on an average, to three shillings and sixpence, out of which he had to find himself bed, board, washing, and clething, all the necessaries of life, and almost all the trappings of the stage. Yet we have repeatedly heard him declare, even in the zenith of his success, that he was a HAPPIKE MAN in those days, when he received but three shillings and sixpence weekly as the reward of his perform-ances, then he was when at the head of his profession, and in the receipt of thousands."-Frazor's Megazine, 1833, p. 738

experience, that it is no diminution of comfort, but is a great friend to mental activity. Want of any sustenance is a deplorable evil; but the use of the simplest, and a lessened proportion even of this, when indisposition would otherwise prevail, are soon found to be as satisfactory as they are beneficial. The taste enjoys everything that it becomes accustomed to: and a conviction of the benefit of what is most serviceable. and a dread of the pain and danger which will follow the indulgence we should avoid, will gradually fortify the mind with resolution to abstain from what would injure, if yielded to.

Plentiful diet, habitually continued, has, in every age. been found disadvantageous after youth changes into manhood, and as manhood advances into ago.* Men of the world, as they reflect on their own indulgences and the results, have acknowledged this. † Our medical men have discerned it, and have disinterestedly counselled others to regulate their habits by wise caution and occasional forbearance.1 It was the experience of the advantage which made periodical fasting once so popular. Much of the derangement which afflicts the better classes of life, many of the unaccountable suicides which occur among those who have every worldly comfort, many of our most painful diseases, most of our bilious and many of our

^{*} The ancient author of Ecclesiasticus thus counsels upon it :-

[&]quot;If thou ait at a bountiful table, be not greedy upon it.

[&]quot;Remember that a wicked eye is an evil thing. Stretch not thise hand wheresoever it looketh. Be discreet in every point.

[&]quot;Eat as it becometh a man those things which are set before thee, and devour not, lest thou be hated.

[&]quot;Leave off first for manners' sake, and be not unsatiable, lest thou offend. When thou sittest among many, reach not out thine hand first

[&]quot; A very little is sufficient for a man well nurtured; and he fetches not his wind short upon his bed.

[&]quot;Sound sleep cometh of moderate eating. He riseth early, and his wits are with him. But the pain of watching, and choier, and pange of the belly are with an unsatiable man."—Eccles., c. 21, v. 12-20.

[†] Lady Blessington describes Lord Byron to have said to her:—"I maintain that half our maladies are produced by accustoming ourselves to more sustenance than is required for the support of nature. We put too much oil into the lamp, and it blazes and burns out; but, if we only put enough to feed the flame, it burns brightly and steadily. We have sufficient alloy in our compositions, without reducing them still nearer to the brute by overfeeding "—Lady Blessington's "Journal," in New Monthly Mag., 1833, p. 42.

Dr. James Johnsou's "Economy of Health" contains much valuable and intelligent advice on this subject. There are also many useful remarks in Mr. Robertsou's "Treather on Dea."

merveus agitations, arise from the unintermitted continuity of full hot dinners or meat suppers, and, not unfrequently, to many, from the habit of meat breakfasts and meat luncheons. The effects of each vary on most individuals; and some can gratify themselves as they please, without any perceptible disadvantage. But as this is not the general experience, as years increase it cannot safely be made the general rule. Each, however, must judge and determine for himself. We may suggest precautions, but no one has a right to dictate to another, nor to interfere with his unblameable enjoyments. We all grow up with constitutional peculiarities and differences of habits, which require our self-regulations to be matters of individual discretion.

But it is stot porhaps sufficiently observed that the spirits, the temper, the daily humour, and, in time, the predominant disposition, are considerably influenced, at many intervals, by the quantity or quality of our daily food. This was remarked in sensent days, and both poets and moralists have described the more joyous feelings which accompany a temperate and lighter dist. Perhaps no greater benefaction has, in the last two centuries, been conferred upon the world, than in causing the crylized nations of Europe to become acquainted with tea, while the Eastern ones were led to the use of their coffee and absorbet. Tea has released us from the heavy potations of our various ales and beers in our morning and evening repasts, and largely contributes to remove that animalizing in-

[•] Galen, who, like Celsus was one of the most intelligent of the sections medical authors: remarks—" Let those who deny that the difference of allowance can reader some temperate, others dissultate; some chaste, others incontinent; some courageous, others cowardly; some mest, others incontinent; some courageous, others cowardly; some mest, others quarrelessuse come to me. Let them follow my counsels as to enting and drinking, and I promise them that they will get great help they dress and continent moral philosophy."—Galen, Op.

† Lord Myron also notized to Lady Blessington—"I think that one of

t Lord Byson also noticed to Lady Bleesington—"I think that one of the prants why women are, in general, so much better than men (for I de think they are an), is, that they do not indulge in germandizing as men de, and, consequently, do not labor under the complicated horrors that industion produces which has such a dreadful effect on the temper, as I have both authented and fell."—New Monthly Mag., p. 42.

"Caddle is always used in the East without cream or sugar. A

^{§ &}quot;Coffee is always used in the East without cream or sugar. A small saucepan, the size of an eggcup, is placed on the fire till the water bails a teaspoonful of powdered coffee is put into it, and suffered to make a few shallmone. It is then poured, grounds and all, into a cup just as large as the saucepan, and in the state, so black, as thick, and a batter as soot, it is taken with tobacco."(6)—Dr. Walsh's Searney, p. 6.

ebriety which even our gentlemen a century ago themselves by practising. It is much used by the tions, though with additions as singular as many of t customs. It has there, as with us and all, a socializing Both tea and coffee are highly intellectual, as well refreshments, if moderately used, and are very fave friendly and intelligent conversation. They give a citement to the system if not taken too largely, which all our activities, without being followed by that I depression which many other stimulants occasion other plants are said to produce nervous emotions of but none so harmlessly and so efficiently as the liqui from the leaves of the China tea. It will be. th public benefit if the growth of this can be natural where. Tohacco came into the Western World same period, and as a medicine; and occasions adapted circumstances, appears to be very services the large and extreme use of it is now found to be in the nervous system, causing a derangement of th health and an abbreviation of human life. \ Thus. in

* Among the Uzbeks, in the great Tartar plain, watered by " nothing is done in this country without tea, which is hand all times and hours, and gives a social character to converse is very agreeable. The Uzbeks drink their tea with salt, and mix it with fat; after each person has had one or two la smaller one is handed round, made in the usual manner, wi The leaves of the pot are then divided among the party, and a tobacco."-Burnes's Travels in Bokhara.

† In the Toorkmuns' country, Captain Burnes also met v experienced its animating effects:- Our food now consist and tea; we found the diet of bread tolerably nutritive, and refreshment from the tea, which we drank with it at all hour that abstinence from wine and spirits proved rather salutary wise. I doubt if we could have undergone the vicisaitudes

had we used such stimulants."—Ib.

‡ About Fez, in Morocco, "The country grows in abu spring, a narcotic plant called kiff. It is dried, and reduced powder. They boil it, with a good deal of butter, for twelve strain it. It seasons their victuals, or they mix it with swe swallow it in pills. Others smoke its leaves. It is said, the ever form taken, the effect is certain. Its merit is that it does icate, but raises the spirits, and fills the imagination with fancies."—The German Year of Liberation, 1813.

§ This herb is used to excess in Germany. "No argument it. The propensity is declared by physicians to be one of the mo causes of the German tendency to diseases of the lungs. Eve saturated with tobacco. Hence every man, woman, and chi the complexion of a boiled chicken. From the bour of their moderate enjoyment and self-governing regulations are indispensable to lasting comfort and unrepented pleasure.* It is the great purpose of our Creator that we should acquire this spontaneous desire, and power, and habit of self-mastery; and he has made it also one of his universal laws, that whatever is the best for any one to do, and the most salutary for him to use, always becomes, by his adopting and persevering to practise it, as pleasurable as any other thing that would be gratifying, always most enduringly so, and free from the evil consequences by which temporary enjoyments, that bring future evils so often and so generally, sadden human life. It may not be unuseful to you to subjoin the experiments which have been made as to the various digestibility of the different articles of our food.

their tying down, which the peasantry do in their clothes, in innumerable instances, the pipe is never out of their mouths. Yet the chief German physiclogists declare that it shortens life. They compute that, out of tweaty deaths of mon between eighteen and thirty-five, ten originate in the waste of the constitution by smoking. The universal weakness of the open, which makes the Germans a spectacled nation, is attributed to this cause of nervous debility "—The German Vear of Liberation, 1812.

There seems reason to believe that tobacco may allay hunger, and, for a time, even answer the purposes of sustaining life when food is unantenable. Hearne, in his "Journey to the Polar Sea," memons, that he frequently were without food for five or six days, in the most inclement weather, but supported the privation, without losing his health and agarits, by smoking tobacco, and his vetting his month with a little snow. The Turks never take it with mall liquer or spiratuous mixtures, as we and the Germans do, but with their coffee: and Dr. Walsh has remarked, that on a journey, "when used with coffee and after the Turkish fishins, it is singularly grateful to the taste and refreshing to the spirits, commercially the effects of fatigue and cold, and appearing the cravings of passager, as I have other experienced." Doort Walsh's Journey, p. 5.

† Dr. Beaumont, of the United States, having the opportunity of introducing food into a young Canadian's stomach, and of withdrawing it as

wabed, found that of the -

FARTHACEA.—Rice, hotled soft, was perfectly converted into chyle in one hour. Sago, in an hour said three quarters. Tapicca and barley, in

two hours. Bread, fresh, in three hours; stale, in two.

TO VECHTABLER—Pointoes, rousied, in two hours and a half; boiled, in three hours. Parenips and beans, in two hours and a half. Turnips, in three hours and a half. Carrots, hoiled, in three hours and a quarter. Cashage, raw, in two hours and a half, hoiled, in four hours vinegar much assisted its digestion. Bert, three hours and three quarters.

**OF Fausta, Ap les, sweet and ripe, one hour and a half; mellow, two hours; sour and hard, nearly three. A mellow peach, in one hour

and a baif.

Orders, care Settington.—Trout, boiled or fried, one hour and a half.

Coddes, cared and boiled, two hours. Oysters, undressed, weat's three

hours i reasted, three hours and a quarter; served, three hours and a

LETTER XXXV.

The Supernatural History of the World a real Subject for human Study and Knowledge .- The Hebrew Scriptures are the written Reserts so much of it as has been disclosed to us .- Their endless Value to us -What was done in Judea by the Almighty was done for the Ensity to use a Benefit of all.—The Communications of the Deity to use must always be Miraculous.—The true Nature of Miracles.

MY DEAR SON.

It has already been intimated to you that the history of our world is divisible into two distinct compartments the natural and the supernatural. Each of these is as real as the other, and they should alike be the subjects of our intellectmal attention. No intelligent person would desire to remain in ignorance of either; for the absence of either will leave an unavoidable vacuity in his mental store by the deficiency of

half. Bass, beiled, three hours. Plounders, fried, three hours and a half. Salmen, salted and boiled, four hours.

"POULTRY.—Turkey, reasted, two hours and a half: beiled, five minutes more. Wild goose, reasted, two hours and a half. Chickens, fricassied, two hours and three quarters. Fewls, boiled er reasted, four bours. Roasted ducks, fours bours; and, if wild, half an hear more.

hours. Roasted ducks, fours hours; and, if wild, half an hour more.

"Butchika" Mext.—Soused tripe, pigs' foot, boiled or fried, one hour.

Venison steak, boiled, one hour and thirty-five minutes. Liver, calf a created his to the control of the c hours; fried, half an hour more.

"Eggs .- Raw, two hours; reasted, a quarter more, soft boiled, three

hours; hard boiled or fried, half an hour longer.

" MILE.-Two hours. Custard, haked, two hours and three quarters. Butter and cheese, three hours and a half. Apple dumplings, the hours. Suct, four hours and a half. Oil, somewhat longer. Calvested jelly, half an hour."

"Dr. Beaumont's facts in many points confirm, in others differ from Dr. Paris, Dr. Prout, and Dr. Wilson Philips; but they all agree that venison is the most easily digested of meat; white fowls more so then brown; beef than veal; boiled meat more than meat dressed any ether way; and that oily food is particularly indigestible." - Athensum, 1834, p. 986, 7.

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subsistence, and for its enlargement as our numbers multiply; successions, and not us consignments as our numbers among the varieties of our food, and the regulations which the health ful use of it requires, have been laid before you, with all their The plans and purposes of our Divise explanatory uctails. Also plans and purposes of our days Sovereign, in these departments of his earthly administration, have been also deduced and stated, as the occasions arose The principles which were inferred for consucring them. The principles which were imposes have been elucidated by such facts as would conduce \$\mathbb{\text{w}}\$ prove and illustrate them satisfactorily to you; and thus for considering them. have attempted to review the most important subjects of natural division of our general theme. It remains for us neg to advance to the other grand department of it to which \(\pi\) have alluded—the Divine or supernatural agencies and inst positions which have been acting in our world, concurred with its natural causations and their sequences. topics of human thought can never cease to be interesting it, from the infinite importance of the consequences which attached to them; nor will it be possible for the mind to! will obtrude themselves frequently into the recollection. possibilities which may spring from them, no human in itself from them. possionium vince can destroy. us, and must arrive; and we cannot avoid glancing w time and in their own way. or extinguish always some anxiety about it. lectual and reflective the general mind becomes, th what is connected with God and immortality, and v next state of being and eventual destination, will be a of earnest inquiry and frequent meditation. Our sense will take this direction in proportion as it is I lightened by knowledge, and as the judgment becor

That there is and always has been a supernatur expanded and sedate. and course of things in the world, seems to be c clearest deductions of our reason, from the time th ceive and believe that our earth, and its living and t habitants, have been the designed and special creatint intelligent Creator. Made on a specific plan, and fic purposes always in view and always in a train o accomplishment, they must have a supernatural longing to them; for all designs, all plans, all p only such, according as they have some particul

iew: without these there can be no design, or plan-Such things have always reference to some furg which is to arme from them, for which they are and to effectuate which they have been adopted and We know thus to a certainty from our unvaerience in our own and in all other human productransactions. If we design, we design something; L it is to make or do something which we conceive plan, and for which we plan. All our purposes future results in view, towards which they are diad have all a process for their execution. Mind. an our Creator or in ourselves, must act on these , and to the production and promotion of whatever , intends, or resolves inton. But whatever the Divine aigns, means, or effectuates, must, as contrasted t man so does, be superhuman-be what mankind ad cannot do; and when the material structure of s been formed, whatever further or extra agencies or s are introduced into it or effected in it, must be ant the established course of nature does or can occat is, it must be supernatural. Therefore, whatever n our world after its first creation, and in human ter mankind were brought into existence, which an nor the material laws of nature could of themcasion, must be the results and consequences of a an and appernatural agency, and therefore of that a only can exercise such The description of it will antion of what is of this character; and the history rations cannot but be a supernatural history, or a what is supernatural or superhuman. must be in the world, if the actions of such agency are recorded; because, unless the Deity has done : all in our globe or with his human race since the f their first Creation; unless from that time he has thdrawn from them and entirely abandoned them. have acted, in some respect or other, in and with al and human world which he has created. me must be supernatural agency, and all agency the subject of parration or history as soon and as There may be no historian to observe it ; it into words and phrases of human language; but t be a lunters of it capable of being recorded if it

have taken place. The facts, as they occur. pres They are and sequences of its history to us. elements and materials which have to be cloth phrase. They form the actual and the intellect such supernatural agencies, as the words which by any one to communicate them to others, in t connexious with which they occurred, become in written history. The events of any one life ar of that life: but while they remain solely in the own consciousness and memory, they are but it history, known to no one else, yet as certainly they were described in alphabetical characters. ideal history of any one is meant to be made known who may live hereafter, or who did not see wh the facts that were in the individual's experienc exist after that only in the individual's mind, an in such conventional words as the society he live as will awake in the minds of those who read th as are in his own, and as he, from that, expresses formation. When this is done, the real and ide converted into visible and readable history; 'as his death, becomes the only history extant in what he has so done and narrated. actual and intellectual history to writing, or 1 others who give it a lettered shape, it cannot any one, but remains solely in his own mind, and that to whatever future locality this may be place still the incidents have occurred, whether he de Their reality and their certainty are then from his description and independent of it. His 1 his words are only after appendages to the actual are but the vehicles of its communication to oth the circumstances which they are employed to de

Hence I would allege, that unless the Deit and deserted his earth and human race the insist formed them, and has never noticed them since, have been his supernatural agency in it, and there natural history of that agency to be narrated, to words, to be made known to others, according a or should not mean his human creatures to be acq it. If he chose to act without mankind knowin erations, then he would not, of course, cause any

he framed of what he did. But whatever agency he exerted, and whatever manifestations he should make of himself which he wished them to be apprised of, it is obvious that he would reject and comes some proper persons to be the human instruments to describe, in human words, such of his operations and productions as he should intend to be subjects of human knowl-

cles, and the permanent property of human nature.

ency, and aim, and affect of all our preceding eve been to show, by the contemplation and every part of nature, of human life, and of , that our world never has been deserted by its was, from its beginning, never meant to be so They have exhibited plans and purposes extendthe more creation and the period of its material Its laws have been shown to be those of con-, of successive operations, of a course of things adjustment, and of perpetual variations, kept a fimits, and harmonized constantly into regular a aspect of the whole presents everywhere the superintendence, direction, and government-of tions, process, progression, foreseeing purposes, g ends. The moral government of the Greater is moral agency in human affairs. There cannot be sent without moral agency, for all government ry, and is meaning and observing agency; and all vernment, whether declared or not, whether seen or sewn or unknown, must be supernatural govern-I supernatural agency; it must, as such, have a sual history attending it; and when this is narrated for or future information, in the words of human lan-, it will be a supernatural history of supernatural events, see which have been done by supernatural agency, and re by Him from whom alone such operations can pro-This will be always distinct from the civil history of **rid, and supplementary** to it.

That the Delty should make known to mankind all that he case, or thinks, or says, it would be folly to expect. His actions, being always those of a power invisible to mortal organs of sight, can never be in themselves perceived by us; they must be specially described to us for our cognizance of them; and being of this immesterial and intellectual character, only cash of them as he thinks fit to be made known to us can appear.

Vac. III.—H #

or will be put into a form that we can understand. All the supernatural history which we can have of him and his agency will be that which he selects and determines to be the subjects of our knowledge. When he resolves on such things being a portion of our intellectual information, he chooses and causes the persons he deems fittest to be the human organs and instruments of describing and recording them; and these, in pursuance of such his will, and assisted by his influences so far as these are needed, then narrate them truly in their written compositions to be the perpetual knowledge and instruction of our social and individual world.

To suppose that the Deity meant his human creatures to know nothing concerning him, or his intentions, or wishes, but to be always totally ignorant of his existence, will, or purposes, is incompatible with the idea and belief of an intelligent Creator, of his benevolent nature, of his superintending administration, and of his moral government. But what is inconsistent with these must be untrue, and therefore we may decin it to be erroncous not to conclude that he has both desired and designed to be known by his human race. But, if so, then we may be sure that he has made such manifestations and communications of himself and of his feelings, and wishes and intentions, as would give them just ideas of him, and attach them to him. Whatever precepts and instructions it was necessary to impart to them for their benefit such a Being would not withhold, nor ever discontinue that superintendence and preserving care which their welfare would require.

But to have thus acted, and not have such agency and interpositions narrated in a written history, and thereby recorded for the information of all his human race, would be inconsistent with his own purposes, as well as with the wisdom and benevolence of his nature, and with the philanthropy which such attentions display. He has chosen, since the deluge, to make his human race a series of short generations. This fact alone would make a written history of these special agencies and communications necessary which he desired them to know. If man had been one continuous and immortal being, he would have been always his own historian, and have needed no other. He would have himself beheld all that occurred, and would not have required annals or transmitted accounts of what in any age had taken place. But, living only a limited number of years, each generation dies and departs away with

knowledge it has received; and the succeeding gens which arise require to have written histories of what d to their predocessors, or will be ignorant of it. of all the Divine interpositions becomes, therefore, al to the human knowledge of this by those who live succeeding periods; and, therefore, our resson assures , as certain as there have been special operations and one of the Deity to his human race at any preceding certain is it that he must have caused them to be refor our information concerning them, and must have are that authentic histories of them should always be ance, that we may become truly acquainted with them. recording history must be in the Hebrew Scriptures. a is none in existence; for no other ancient writings world before our Saviour's time pretend to give the of the Divine manifestations and revelations except They carry this distinction inseparably with There is nothing else like them: nothing else of this no other work, eighteen hundred years old, narrates ation of the world, the first state and first ages of man. age, the division and separation of mankind into disnd diversely settling nations, the settlement of the Jewcentors in Egypt, the liberation and removal of their ty from that country, and the Divine operations and mications which then and subsequently took place in man world In these we have a series of the supernatgeneral of the Deity, and of instructions and precepts im, and of those interferences and revelations which he But nothing like these is to be found to exhibit to us ere in what has come down to us from the ancient We may, therefore, always take up these with an rtual certainty that we have in them the authentic some of the Divine dealings with mankind, or else that s no limtory of these in existence; which would be tanat to none having occurred- a supposition in absolute diction with the facts of an intelligent creation and an

gent Creator.

an these we learn that it has been his plan to raise up articular nation to be the subject of his immediate governt, discipline, and instruction; to receive his communical and revelations; to describe these in written histories becuments, for the knowledge of all other values and

ages, and to preserve such records through all the storms, and vicissitudes, and devastations of time and revolutions, so that they might never be lost to mankind, but always remain as the true and authentic accounts of what the Deity has soocially done and taught, and has desired his human race to know. The Jewish people have been the nation that was formed and used for this purpose. They have been the depositories and preservers of the supernatural history of the world: and to them we are indepted for all that we know of it until our Savsour came On them he exercised his immediate government, and manufested the principles and laws on which he conducted it, as the contingences arose which called these into action. By his dealings, and commands, and exhortations, and rebukes. and councils to them, he has illustrated the system and rules on which he guides and carries on everywhere his providential administration of human affairs. All that he performed and inculcated in Judea is a monitory representation to us of the laws and principles of his universal government of human meture in all its populations. He chose to make them and their history the examples and elucidations of the rules, and plans, and purposes on which he conducts his superintendence and government of human nature, in all its stages and positions, although nowhere, except in Judea, was his producing agency made to be sensorially perceptible and specifically avowed.

What has elsewhere been carried on invisibly to mortal eve was in this country, at such times as he thought proper, made manifest to human consciousness, and, in the language of that people, declared and explained. In their emancinetion from their Egyptian slavery, the power and operations of the real Deity, the only and all-ruling Omnipotent, were displayed to their sight and hearing. They were taught by their senses as well as by precepts. Their mind and heart were appealed to, that, through them, and from what was done and uttered to them, the reason and the feelings of the human race, wherever those incidents should become known, might be correspondently enlightened and affected.

For one of the first deductions of our understanding from reading the history of these transactions between this nation and the Almighty will be, that there is but one and the same God in our world and in the universe. He exists and governs alike in all ages and places. His moral government must therefore everywhere be founded and conducted on the same principles. He cannot but be the same Being in every age and sountry, and always act, feel, and think continuously and congrously like himself. His nature is as immutable as his eternity, and, therefore, in all the moral and intellectual principles of his dealings with the Hebrew nation, we see the rales and principles on which he governs all the sections and generations of his human race; the feelings and intentions which he has concerning them; and the conduct and the chedience which he requires and expects from all.

But, as we read the various books which compose the secred volume, we find in many parts, and especially in the latter portion, which contains the writings of the prophets. that the Divine topics enumerated extend beyond the Jewish nation, and relate to the whole human race at one period or another, and, at length, to all who shall comprise the ulterior senerations who are yet to succeed our own. We find the destinies declared which have been assigned to the kingdoms that have figured in the world before our time, as well as to those which are yet to arise. Hence it is incontestible, that what was done, and then taught and written in Judea, was meant to relate to all mankind, and to be for their information as well as for the knowledge of the people to whom they were immediately addressed. The providential drama, thus exhibited and acted in its successive scenes to the Jewish nation, was intended to be as instructive to us as to them. In all the incidents and promulgations of his will, which there from time to time were effectuated, the Deity speaks to all who may read them, as well as to those who beheld or heard By these he represents himself as he is, as he acts and feels, and what he means and desires, and is causing, and will yet produce, to every age and nation that will make itself acquainted with these writings, and from them learn to know him. The historical record transmits the sacred portraiture of God, and of his will, and purposes, and moral goverament, and providential agency, to every people upon earth among whom this inestimable volume shall be introduced.

On all these Divine subjects of thought and action, the Hebrew Scriptures are sacred and authentic oracles to us. We have no other source of certainty, or even of information, about those ever interesting topics up to the period where they terminate. After them, the Christian writings of the evengelists and spostles, collected and comprised in the New

Testament, carry on the Divine communications to us, and complete the body of the Divine science, which, in its momentous value to us, transcends all other knowledge as much as eternity surpasses the brief space of our human life.

In the combined volume of both Jewish and Christian Scriptures, we have the whole of the grand truths as to the Divine nature, agencies, laws, meaning, counsels, commands, and purposes which have hitherto been revealed to us. Without these books we should be in utter darkness on all those sublime, attractive, awful, wondrous, and mysterious subjects with which our present welfare, and future hopes and fears, and all that we can desire or expect hereafter, are essentially, and inseparably, and unextinguishably associated. For these ressons I regard them as the most precious possessions which in this world I can hold. They contain the charters of my life and well-being. They are the letters-patent of eternity They present to us the covenanted statutes of our immortal happiness, or of the hopeless loss of it. In them the path of felicity and glory for ever is distinctly set before us. In them I learn to know who and what my Creator and Saviour are; on what principles they govern their moral and intellectual world; what they require of me and promise me; what they have done for me and for all; what they propose and are preparing, both in this world and in the next; what rank human nature holds in their estimation, and to what destinies they are conducting it; and what and where will be its final allocation. Nothing else can give me this inestimable information. To reject it, or to dislike the form in which it comes to us, or to desire that it had come in some other way, and to disregard this because it is not something else, would be such an absurdity in me, such a childish humour, and so contrary to what my judgment dictates, and to the conduct I ought to pursue, that I cannot withhold my belief and confidence in the intellectual treasure which is here made the available property of us all. I would not exchange this conviction for the empire of the world. That would be fugitive and temporary to me. But the Scripture certainties and promised blessings will abide with me, if I can gain them, Even now they satisfy and enlighten my for ever and ever reason; they sooth and delight my feelings; give me Divine realities to think of, and spred an irradiation on the scenery of future time, which makes death but the portal of a region artality—a silent conveyance to an ever-enlarging Read and study your Bible with this impression, a these views, and on these reasonings; and, the lonlive, the more you will appreciate and consult it; and sivery year of your earthly life, truth, and wisdom, and as from it.

aware, because, when I was young, I felt it myself, re is, at first, a kind of indisposition in the mind to at a miraculous history can be true. We see no such luring our own life, and it seems strange that there th things in former time. But so, for the same reason, d to me as strange and as hard to believe that such a all-conquering and irresistible as Nebuchadnezzar. lenly rise up, and defeat and subdue every nation he when, lo! as I was meditating on these things, an a young lieutenant of artillery, whose very name had heard of before, blazed suddenly before us, and, in four months, more unexpectedly still, became the conf Italy, vanquished army after army as if he was some agician, moving and acting everywhere as if with ural power. Nothing was more extraordinary or more miraculous, without being really so, to those re alive in 1796 and attending to political eventa, extraordinary achievements of Napoleon Bonaparte pring and summer of that year. I shall never forget anding impression they made. I could hardly believe unts, however official, which I was almost daily readartainly, taking in all the circumstances, nothing like courred, in the same space of time, in such an age ntry, against such adversaries, and with such results. y before. Events and things are not, therefore, unincredible because they are new, strange, extraordiparently unaccountable, or unlike those with which we liar. Impressions of that sort I perceived to be unde, and that they arose from my ignorance, with a of cowardice of mind, in disliking to accredit what pubted or objected to. The spirit arose of examining ging for myself, and of acting firmly on the results, glooting and adhering to what, on fair and enlarged I found to be the truth.

nvestigations which I then pursued conducted me to clusions I have expressed. Supernatural agency \(\)

perceived to be the necessary and natural companion of a providential superintendence and moral government of the world, and of its planned creation by an intelligent Creator. Under such circumstances, its absence would be the incredible thing, not its presence and operation. Natural agencies would be always employed to do what natural causes can effect: but supernatural agencies alone can perform whatever is requisite or expedient to be done beyond the ordinary causes of things. All Divine revelations must be of this nature. The trees, the rocks, the clouds, the winds, or the animals cannot talk to me of God, or make known to me his will. The sun has no articulate voice, nor is the moon a legislator. The fabric of nature can show me the marks and tokens of his creative mind and power, and of the goodness and kindness which directed their operations. But beyond this testimony to his existence and agency in their formation they can give me no intelligence about him; that must be conveyed to us from himself, and the means and circumstances of that conveyance must always be supernatural and miraculous. ulous manifestations of himself, miraculous communications of his mind, and will, and laws, and purposes, must therefore have taken place in ancient times, in order that we should be acquainted with what he desires us to know. We can learn this in no other manner. Hence it is one of his grandest laws in his human world, that when his plans and purposes require preternatural interposition of his power, it shall always be exerted; but, with the unusual occasion, the unusual agency ceases, and the extraordinary result no longer occurs. While it acts, it always corresponds with the reason for its occurrence, and with the superhuman impulse which can alone produce it. Such interferences are not wanted in the established course and usual sequences of nature, and are no part of the general plan of its regular phenomena. They come into it, like the comets into our solar area, only when they have specific purposes to fulfil, different from the daily state of things, and which the ordinary agencies and movements are incompetent to effect. It would, then, be as unwise in the governing intelligence not to introduce and commission such operations to cause what he intends, as it would be unnecessary, and therefore not beneficial, to apply this at any other time. Hence no miracles are done for sport or display. None appear like a juggler's tricks or an impostor's knavery. It was

on this principle that our Saviour refused to waste any, merely to gratify Herod or the Pharisees. All his supernatural operattons were done with a moral purpose and for a moral end, and guided by an accurate judgment. He did not effect these by violating the subsisting laws of nature, but by enlargong the agency of such as were in operation, or by introducing among these others which were then dormant or of greater power. Keep your mind from admitting the deluding phrase that any miracles recorded in the Scriptures are violations of the laws of pature. There can be no miracle but what is performed by the powers of the Almighty; and what he effects, or authorizes others in his name and as his act to effectuate. is never a violation of his natural laws. It is either an increase of the action of some existing law or means; a bringing into varible operation some latent, or more distant or quiescent law, or a new result from the introduction into the particular locality of some superior law. All these are events which neither the usual mechanism of nature nor human power can occasion. No one part of nature can have any other movements or results than it has been appointed to have. Some extra power must come into it to effect from it an extra effect. Thus, the tree cannot uproot itself, nor throw off its bark or branches, nor saw itself into planks, nor combine these into the hull of a ship or the floors of a dwelling-house. other power must thus operate upon it for any of these purposes. In these, human mind, will, and agency must work soon it with an intending purpose, and thus new-shape and nes it. But where the Divine will intends to accomplish, in any department of his nature, or on any of its substances or individuals, what the established order of things or the skill of man cannot effect, he specially actuates the moving power and material things which are already there or elsewhere in exertion, to act with a new force and in a new direction for the specific completion of the specific end he has in view, and then a miracle takes place. Thus, to make a path for his laradites through the Red Sea, he caused " a strong east wind all that night"s to operate upon the waters till they were diwided and driven up, as into a wall, on each side, leaving a middle of dry ground during the time of his people's passage. When they were safe, the extraordinary action of the suspend-

[•] Ezedes, c. ziv., v. %.

ing wind was made to cease, "and the sea returned to her strength when the morning appeared;" its waters sank down to their usual level, and all their natural laws came into immediate operation; and this natural action of these natural laws was quite sufficient to overwhelm the pursuing Phanok and all his hosts. No miraculous impulse or energy was then necessary; "the depths covered them; they sank unto the bottom as a stone."

Thus, all the miracles of God are but an increased action or a new direction given to existing natural laws, which none but he can impart to them; or, if it be more expedient, the local presence and application of a more distant law, which, till thus commanded, was operating elsewhere. This local application, in particular places, of more remote laws of nature, is a part of its established plan. The seaman beholds this in every storm that shakes him. He sees the distant law of nature rise up visibly from the edge of his horizon in a small black cloud. No such is about him as he is serenely gliding on the peaceful wave. But the law that was elsewhere, the fearful agency that can convulse the ocean when it comes over it, soon approaches, and throws into tremendous agitation the floods which it can master while it is acting upon At length it departs from that locality, and travels again into a distant region, to produce similar effects there. All rains are of this description. They bring from other parts laws and agencies which were abiding there, either above or beyond, and also the material substance which they actuate into immediate neighbourhood and contact with the district where they fall.

When natural causes move and act only as it has been ordained and provided in the appointed plan and course of nature that they shall move and act, their operation is not miraculous. The miracle begins when that effect begins which
the established mechanism of nature cannot produce. This
was effected when Elijah, in competition with the priests of
Baal, left the decision of the moral contest as to the reality of
the Jehovah whom he proclaimed to the displayed will of his
awful Master. A local direction was invisibly given by the
Supreme Invisible, whom all things obey, to a sufficient body
of electric fluid not at that moment there in an accumulated

^{*} Exodus, c. ziv., v. 27, 28.

; and the flery stream came instantly from the parts : it was in quiescence of diffusion, and was darted down schemes to the Almighty mandate upon the altar which communicated to inflame." Here was no law of nature ed: but a resting and a distant one was brought from er clace, and out into such an energy and collective force contributed the intended purpose. By doing this, it man-I the reality of the Deity by its presence and operation. se only he could so change its locality, and so immediand specifically apply it. The people felt this, and exof their conviction of it from the deciding result ! This is intelligible to us by what happens in the operations of intelligence. In those grand naval and inditary operawhich are so exciting in history, are matances of this gameler of laws of nature from one region to another by agency It was thus that Nelson carried the tremenawe of nature, which his ships of war contained in their and state, from the counts which he had been guarding, the whole breadth of the Mediterranean, into the Bay waker, to put them there into that terrific action which work the ascendency and power of the French regulity. rat checked the, till then, irresistible Semanarte. No straindmary general, at a future day, transferred, with a y almost unequalled, his imilitary laws of nature, metru-, and agencies, from their resting state at Boulogne and were, to overwiseling an decigively the nationalised Mack and Menningen The difference between these oversand the Divine miracles we have been alluding to is, un has subjected some of the laws of nature to his pow-I can out and apply them to a certain extent, and in such is these but no further, and what man and nature can themselves is no miracle It is when laws of instars ed and directed to do what a auterhuman and supernatpager and intelligence can alone more and guide them ctuate, that the miraruleus phenomeron appears, and, maring, bears in its result, as it were, the inscription t, that "The openial power of the Desty is specially doa" He thereby marks meantentably what the furnelites

lange, r 2vm, v 26 at which they fell on their flace, and they she when an they people seaw it, they fell on their flace, and they she lard, He is the Cod." "-Va.

felt and expressed—"The Lord! Hz is the God." He can and will do, at all times, what he shall deem proper. H consults no mortal being as to the period, place, or marmer this interpositions. He forms his own plans, executes his ow purposes, and introduces his interferences by his own secre will and judgment, whenever he thinks them necessary an chooses to apply them.

LETTER XXXVI.

Ries and Prevalence of Paganism in the fifth century after the Delag—Its Deletrious Effects and Self-personation.—Human Cause on timed, and could not subsert it.—Divine Interposition, by an Intellet unit Process, essential both for Religious and Moral Tuition and In procument.

MY DEAR SYDNEY,

The supernatural agency which was exerted in the produc tion of the deluge, and of the terrestrial alterations and ne formations of surface which accompanied it, has been alread stated in the former parts of our correspondence.* Whe the waters had been withdrawn from such parts of the ear as were to be, at that time, inhabited by the renewed race their numbers increased. Noah and his family descended fro the ark, and began the cultivation of the ground from which they were to subsist. The Deity communicated himself ful to them, and gave them his commands, and promised the his protection and blessings.† But, as soon as the new ge erations arose, he deemed it proper to exert another interf rence in their affairs, and this was to produce that divisit and separation of their general body and social aggregation into distinct portions of population; and to urge these to se tle apart from each other, in order to grow up into independe tribes and nations, mostly, or for a long time, unconnectu with each other, as we noticed in the former letters. ‡ Amos the consequences of this dispersion was that great diversi of habits, qualities, actions, and attainments which in time di

[.] See Vol. II., Letter XXII.

² See Vol. II., Letters XXII. and XXIV.

tinguished mankind into two very centrasted conditions—the civilized and the uncivilized. Both these states of society have been also mentioned to you, and an outline was drawn of the principal nations of antiquity which became prominent in the world for their civilizing improvements and intellectual cultivation.*

No further interpositions of Divine agency occurred in the history of mankind from the time of this dispersion for a period of \$35 years. During that interval, the human race were left to multiply and act in the several localities of their populations, according to their natural laws and circumstances. The regions of the earth which they were then occupying appear to have been those which lie between the Mediterranean, the Nile, the Euphrates, and the northern mountains of Asia, and principally in Syria, in its largest sense, and in Egypt.

The most remarkable feature at this age of the world, which erose in all these populations, and became the general character of the human mind in that stage of its growth, was a dislike to the actual government of the real God of nature, and a deviation into that theory of Deity, and into those practices of religious worship which we commonly call paganism or heathenism. As Noah and his sons had a clear revelation from God of himself, specially to them, it is difficult, from the absence of detailed history on this point, to account for the origin and universal adoption of such fatal mistakes; except that the moral obedience required by our Creator was then, and has always since been, unpalatable, inconvenient, and unpractised. To reconcile self-will and self-gratification with the measy reason and reproving memory, doubts and disbelief were circulated and cherished as to the existing ideas about him; and a different hypothesis was invented by some, and adopted by all, that he either was not in being at all, or was not what he had been represented to be. Other ideas of him were started and encouraged, until the impression became general that such a Being, if he existed, had no concern with our world, but that this contained many gods instead of one, and of a different kind and character from what he had appeared to be. The opinion also arose that these were or could be rendered visible to human sense, and brought to dwell smong mankind, and could be gratified and propitiated by hu-

^{*} Vol. II., Letter XXV.

animals, and lived in them, and therefore placed temples as the subjects of its worship. But th tendency was to make human figures of wood or to suppose that, in these, when placed in consesions, the divinities they preferred and fancied usu When this custom was established, idolatry was a ytheism, and the combination of these two system varieties of theories and imaginations, became the gion which mankind, as they enlarged, would reta. stand. These inventions excluded and supersed Deity in the human mind. Mankind determined to gods for themselves, and as like themselves as posiadmit and worship no others than such as they t and framed, and made pleasant to their own for familiar to their daily habits, and with passions, taste and senses like their own. They made their god or likeness of man, instead of raising themselves they had been designed to be-the image and like only real God. It would lead me beyond my bour into the detail and progress of these absurdities, them to the specific causes from which they orig by which they were modified into all their natural v is sufficient to state these main outlines to you, ar you to remark that the delusion has been so infatu ity been revealed and disseminated as it was, the whole hyman population would at this day have been immersed in polytheirm and idolatry, in some forms or other, with all their perverting, distorting, and debusing results. Every nation was so till Christianity penetrated into it, and would be so to this hour if that had not been promulgated. This is a most extraordinary but unquestionable fact. Nothing but the introduction of Christianity by its ancient teachers and missionaries. and its eventual establishment in those countries which renerved and retained it, could or would have rescued the world from this intellectual degradation and corruption. For, without this, Judaism would have again sunk into the all-surrounding heathenism, and no Mohammed would have appeared. Philosophy would not have in the least improved mankind in this respect; because we see by its writings, which have come down to us, that it was only inculcating atheism, and a contempt of all religion on the one hand; or, on the other, like Antoninus, Plotinus, Ismblichus, Porphyry, Libanius, Julian, and Symmachus, was striving to uphold the favourite paganinn by new refinements or additions, and by striving to incorporate with it, for its support, the new and more enhightened Mean and reasonings which increased knowledge was creating. We see, from the experience of our own times, now, that these same results would immediately occur if Christianity were to be expanged. Enlightened France has shown to us that the abnegation and abolition of Christianity would be certainly followed by a general atheism, intermingled with new forms of polytheism and man-invented deities. Human REAson, always a varying, versatile, individual compound of the thinking principle of the human soul, and of the thousands of notions of all sorts which it imbibes, forms, changes, adopts, and returns in the successive periods of its human life, would be made the personal desty of every one. He would know and submit to no other; and, from that alone, the result would be little che than the individual derlying himself. "I God; you God," said the New Zealand chief to the musionary who was addressing him; and this must always be the case where the true Deity is denied or foranken. Each man thus becomes the god to himself, or will make such a god as hest suits and pleases his fancies and inclinations, or as others compel him publicly to worship; and will neither recognise nor like any other.

This general adoption and establishment of paganism was as complete a revolt of the human mind from its Almigthty Sovereign as the Satanic rebellion is stated to have been in his angelic creations. As some of these rose in insurrection against his government, and threw off their allegiance and attachment to him, so the human spirit as decidedly receded from him and forsook him, and set up other things in his stead. They preferred the molten calf, and the idol which they could see, and shape, and treat as they pleased, to that invisible, and moral, and intelligent God, whose very perfections disinclined them at that time to him. They would not admire what they would not exert the self-government to resemble. They dreaded what they would not imitate, and they sought to shun and to forget what they disliked and feared. Yet the impress of Divinity was so strong in all nature around them. and in its influence on themselves, that they could not live in satisfaction to themselves without some substitute. They could not but be religious, although they would not be rightly so. Hence, when they abandoned him, they could not live without some gods, and therefore appeased their natural yearnings for the supernatural by attaching themselves to deities of their own devising and fabrication. It is this monstrous disaffection to the real Lord of Nature which has always constituted the great sin of mankind; the desertion of their Creator and only Divine Benefactor; the disregard of his existence and directions; the alienation of the heart and mind from him; the ungrateful forgetfulness or denial of him; the daily and general indifference to him; while by him every comfort, and pleasure, and benefit have been provided and are continually given which any human creature is enjoying. This is the aggravated, and still too general sin, of every nation on the earth.

This abandonment counteracted and defeated the great plan and purpose of the Deity in the formation of our race. The principle of our creation was, that mankind should know their Maker, and be always in alliance, and friendship, and submission, and attachment to him. It was his wish and intention that they should study his works, learn his will, receive his counsels and commands, imbibe the ideas he should impart, form their own thoughts, and adapt their feelings to these, desire to please him, and live in the constant spirit of affection, and gratitude, and duty to him. On these principles he would have been their constant friend, patron, and personal

benefactor. He would have been always instructing, enlightening, and enlarging their individual minds by streams of knowledge and accessions of improvement, according as each became more fitted to receive and use them.

The pagan revolution of their mind broke up this system of human happiness. It dethroned the Deity from his government of society, and deprived mankind of the benefits and improvements which would have followed from it. Instead of associating themselves with his wisdom and blessings, they enslaved themselves to false creations of their own brain, which, being nothings, could do them no good, but with which they soon connected corrupting and cruel superstitions, which brought mental darkness, immoral debasement, intimidation, and frequent suffering upon them.

The system of paganism makes man everywhere his own self-tormentor. It disabled the ancient nations from forming right conceptions of nature and of its operations, and fixed in their minds the most fallacious misconceptions of it. It turned everything into gods and goddesses; sun, moon, stars, mountains, rivers, woods, trees, flowers, beasts, birds, fish, reptiles, and insects; all were set up and worshipped as deitees by the most enlightened populations that rose to any emisence and improvement. Thus man became his own worst enemy by this unfortunate revolt from his real God.

He chose instead that which is the perpetual antagonist and suppressor of all knowledge and science; for as paganism cannot keep its hold on the understanding, if it become enlightened with true ideas, and exercised in reasoning rightly, it has always, when once established, prevented and persecuted intellectual improvement. From this cause, even at Athens, it put Socrates to death, compelled Plato to be silent, and made Aristotle an exile from its cultivated but superstitious society. If it operated to these results in that intellectual city, what still more deleterious effects it must have produced and perpetuated elsewhere!

In the fifth century after the deluge, the human mind had spontaneously placed itself in this position, and consigned itself, with determined and persevering self-deterioration, to all its evil consequences, which came rapidly and permanently upon them.

We may do our ancient predecessors the justice of believing that they were not aware of the folly, the error, and the int

quity of this extraordinary conduct; because, whatever may have been the case with the first originators, yet, when false theories are once adopted and acted upon, and institutions and establishments raised and fixed in society according to them. the young generation grow up under their influence, are tanget to respect and accredit them, have no better knowledge, and cannot get wiser information. The moment what is false becomes popular or is made the practice, the law and the sacred right in any country, the truth, on all that it affects, is banished from that population. The right and true on such subjects are discountenanced as mischief and error. The truth. if admitted, must subvert so much and injure so many, that it is as zealously forbidden and suppressed as if it were a calamity or a pastilence. Hence, when what is wrong has gained possession of the existing mind, its ignorance must be in proportion to the amount of the mistake. In that ignorance, in these errors, and among all their bad feeling and evil consequences, the young must grow up, and, as they mature, they will take the place of their fathers, and be as strenuous opposers and enemies to all that is wiser and better as their perverted ancestors were. They will live and act amid intellectual mists and darkness, which they will be unable to disperse; to which they will become accustomed; which they will even learn to venerate, and value, and uphold; from which they will not desire to extricate themselves; and to which they will adapt their general thoughts and habits, and consequently become what such errors and evils will contribute, by their daily practice and unabated continuance, to cause them to be.

It is thus that paganism has always propagated and perpetuated itself, and never has fallen in any country until the external invasion of some other system, from some other localities, has attacked and overthrown it. Hence the populations of the world, from the fifth century after the deluge, coming into their earthly being anid pagan establishments and systems framed by their progenitors, were trained from their childhood to revere and accredit what enslaved and degraded them. They could therefore know at first nothing better, and, by habit at last, would neither feel nor believe that what they were accustomed to was erroneous. Such a state and practice would unfit as well as indispose them for any different ideas or institutions, and therefore they would transmit sufforitatively to their descendants what they had received from

their parents. Thus paganism naver died of itself in any land, and only national ruin or astripation, which destroyed both the establishments in which it was represented and the individual minds which cherished and upheld it, could expunge any form of it from any country, or from the world at large, as far as human causes operated. The perversion, and the depresentations and slavery of the human mind to its adopted superstitions, became then complete, and their continuance accorded. The very laws of human nature and the legislation of human meture and the legislation of human meture and the legislation of human moreity then acted to transmit and preserve them.

In this state of things all remedy and change became honeloss, and naturally impossible, without Divine interposition. Hindoostan, and China, and Thibet, and all the Buddhist kingdoms of Asia, and all the states of Africa beyond the Atlas Chain and the Great Desert, are evidences to us how sagantum perpetuates stacif, and is both unable and unwilling to alter. It cannot enlighten or rectify stacif. Christian minds are striving new to introhas and never will duce Christianity in many parts, but they are the offspring of a Divine interposition themselves, and carry the results and operations of a Divine agency with them; but there could not have been any Christianity in the world without a Divine interference, nor could anything but pagenism have been the religion of mankind after it had contaminated their primitive accrety, unless the Deity had resolved to make a special interposition, and to commence a scheme and process of Drvine agency adapted to meet the circumstances and the evil, which, from that time, would be continued and multiplied with the continuity and multiplication of the human generations

When this intellectual error had become so general, there was no way to extinguish it immediately or entirely but by another extripation of the human race, but this would have involved the annihilation of human nature, and have removed such an order of beings out of the grand empire of the universe; for as no renewal of mankind could be brought into existence under more favourable circumstances than Adam was in his Paradise, and the children and descendants of Nosh wars, with the desolated world around them, as a tremendous monument of the effects of disobeying and displeasing the Daity, another creation of markind would have only been successed by another scene of sin and error, which no destruction of preceding effenders, and no precent or marking the steam of preceding effenders, and no precent or marking the steam of preceding effenders, and no precent or marking the steam of preceding effenders, and no precent or marking the steam of t

or even benedictions, would prevent from arising. It was now obvious that there was something in human nature itself. and especially in the early stage of its existence, and in the generations resulting from that, which made it certain that sin and error would be for a long time the companions of human being; and that these could not be prevented if mankind were to have the liberty of choosing and acting for themselves. As spontaneous beings, thinking and doing from their own desires and resolutions, the renewed world became what it was, and so would any further renewals if the living race were destroyed. To become of that improved nature which in its own free-willing and freely-acting character would obey, revere, and resemble their Divine Maker, and do, and think, and feel as he directed, and always as they ought, was not practicable by the first generations. The gracious wisdom of the Creator perceived that this sublime condition of mankind must be the ulterior result of a great process of gradual tuition. gradual experience, gradual knowledge, and gradually-formed judgment and self-government. He saw and knew that the pertection which he desired and could produce in his human nature must be the effect of progressive attainments and progressive improvements; that it could not arise in the first populations of mankind, but would be long impeded and retarded by the sins, and errors, and ignorance, and deviations of those generations who must arise before the desired end could be brought about. Evil must be suffered to emerge. but be combated as it arose, and allowed to battle also with itself till it produced its own extermination. It is always thus perishing, though, as yet, still reviving in some degree or other. Its recurrences and revivals in new shapes, as the old ones were destroyed, must, therefore, be submitted to, and a series of means be devised and kept constantly in operation which would be always pursuing and suppressing it. These remedial agencies would thereby be always eradicating and diminishing it; and, amid these struggles, would, in their beneficial operation on the human mind and character, be always advancing the regeneration, and be increasing the improvement of the human spirit. But such a process must be one of an intellectual kind, gradual, gentle, persevering, patient, and suited, from time to time, to the state and circumstances of every generation. Violence could destroy, but would not educate and enlighten. It could not lead mankind

to the self-reformation and continual self-regulation which were necessary to produce a right-minded being, habitually acting with rectitude of conduct. We must think rightly before we can act rightly, and learn and know what is rightly before right thoughts will arise in our minds or the right action be performed. Therefore, instead of again obliterating effending man from the earth, the Deity proceeded to institute and carry on a kind and intelligent plan and process for his progressive melioration. This was necessary not only as to the religion of the human race, but also as to its morality.

The abstraction of the mind from God, and its devotion to the chimeras which the fancies of the leaders and founders of the earliest nations invented as his substitutes, not only precluded true piety and rational worship, but also intercepted and prevented the moralization of the world. Man has to learn to be moral, as he has to learn to be skilful in any art or acquainted with any science; but true morality, like true rehision, must originate from the Deity, and be at first derived from his instructing precepts. It will not and does not arise in its truth and excellence in its first commencement, nor will it generally prevail or be practised from any other source. is he who must first teach mankind what they are to do, and what they are to be to please him; to become what he desires, and to fulfil his plans and purposes in our being. None can know his mind and will but himself, except as he reveals it. He must tell to his human creatures what the moral rules. and hebits, and qualities, and feelings are which he desires them to acquire and act upon. But this cannot be done or will be uselessly done unless they will receive the requisite knowledge and counsels from him; obey them, when given, because he enjoins them; and make them the guides of their ressoning thought and daily conduct. But when paganism obtained possession of the mind, all moral benefit and influence from his tuition were annulled as this counteraction pre-His commands and admonitions became unheeded and neglected when he was superseded; and mankind chose to act as they pleased, independent of his rules and restrictions. and without any regard or reference to them or to himself.

The consequences are palpable in the history of every nation in the world. When the human population ceased to learn merality from the Creator, they could not or would not deduce and establish it for themselves. It is true, that we are so

constituted as to have moral sensibilities and moral capabilit which often act instinctively; but instinct is not principle, is an impulse a habit, nor is feeling the reasoning judgme but, without principle, reasoning, habit, and judgment, th This must be taught, and learned, cannot be morality. practised before it can be acquired or retained. Man is framed as to be impressible and excitable by it, and to often the appeals which are made to him for it; but he is: susceptible to every bad impulse and incitation, and also m to gratify the instant desire or emotion as it arises. He not and he does not therefore, willingly submit himself to moral rules and restrictions, and does not seek to trace then to know them, or desire to be governed by them. I st now of the general world, in all ages and countries; for the are some individuals, at all times and in all places, who tivate their moral sensibilities, who study moral princit who love moral qualities, and who train themselves to m habits: but these are the noble exceptions and anomalie society, which have become innumerable since Christia was disseminated, and especially in our cultivated age. which were very rare before that predominated. What man nature naturally is we see in the uncivilized nation the world; and in none of them is morality either a stud part of their knowledge, an object of their cultivation or des a rule, or a practice. Each acts as he pleases, and obey law but what he likes, and makes his passions his laws guide. The same spirit and conduct pervade civilized soc in all pagan countries. Law and custom are nearly the sources of all the morals they know or care for, except the influences which the natural affections occasion; and as the are feelings and not principles, they produce no steady m rectitude of mind, nor are ever reasoned or acted upor The usual morals of all nations, that do not de them from the religious tuition which they believe to be will of God, are no more than obedience to their civil la the practice of customary manners, and the observance of rites and superstitions which their priesthood enjoins. Egyptians had no other, nor the Greeks before Socrates peared. Some of their more intellectual men had redu many points of their experience to the short axioms of 1 dence which sayings and proverbs contain. But for even they were signalized above the rest of society as the se

was men of their age. Yet these were but the scute and praised remarks of able men. These were not taught or made rates of conduct, nor enforced as moral laws or obligations.

It was borrates who began the practice of reasoning out moral rules and of inculcating principles. Schools of menthinking and teaching on this plan and subject, arose from him ; but so little agreed with each other, either in the rule er in the principle, that they were continually combating each other on both; and thus no obligatory morality was or could be established for the regulation of human conduct in such executations, nor was anything regarded as such but what the laws of their city or state enjoyed; all clac was individand choses and farery, and ingermous discussions and particular deputes, very rarely influencing the conduct. Alcihades charged how little he was moralized by Socrates, and Austonia and indicates to us how little Sociates was revered or cared for an a moral teacher, an the facts and remarks of Thoughidea prove how little morality was practiced by the Atheniana. The difference between the lectures of the philosophers and their conduct is a perpetual subject of satire of their ancient sects and other writers, from Aristophisms to Inician. The latter brands them all as hyperrites, accountate, flatterers, and kanves

Do not matake me as meaning to say that moral laws and principles cannot be discerned or deduced by the human mind We see by the recorded conversations of for rates, the Politsea of Plato, the Ethica of Aristotle and Nicomachus, the lost work of Panatius, the Officia of Cicero, the Essays of Seneca, the Meditations of Antoninus, the Morals of Finetation and esther brushe of the nor sente, as well as by those of the Hindoos and Chinese, and by numerous modern ethical writers of Lisrope, that many individuals desire to reason on the subject. and can think and write admirably about it. But these various authors, although they agree in several points, yet differ from each other in many more. We also know that men of talant, who reject Christianity, have arged and still arge thearea, and avaterna, and principles of conduct subscisive of the most executed rules, and conclusions, and qualities, and habite that have hitherto been deemed virtuous and they claim to be an right an those who support them. The moral-Mr. therefore, which stands on himsen resecuting or on formati embersty only, will be as fluctuating so industrial laster, Hr clinations, passions, humours, feelings, and worldly interests

monally are.

We need to learn from moral tuition three things-how to please God; how to act rightly towards each other; how to use our own senses, powers, qualities, limbs, desires, and faculties as we ought, for our own present and future comfort and well-We shall not be with each other longer than we are together in this world, but we shall be in society with some beings or other in the next. We shall be there also ourselves; and the same God will be the God of future time who is the present Deity. Our moral tuition, to be complete, must therefore always relate to both states of our being, and fit us for that which is to come as well as for that in which we are now placed. But this view—the true and certain view of the case -at once shows us that our moral teacher must be God; for who but he knows or can inform us what qualities, rules, habits, and conduct will suit his future world and our position in it! No morality is sufficient which suits this world only: for we may not be here a day, a month, a year, or ten years longer; nor can we command or ensure our stay here one hour or one moment. Our present life is never in our own power to continue, though we may abridge it; therefore, whatever system trains us for this world only is notoriously defective. It will leave the great range of our being quite unprovided for. The morality which does not educate us for that as well as for our present uncertain duration is imperfect and deceptive. It is deceptive if it goes no farther, unless it teaches us where we may obtain what it does not afford; because, without this confession of its insufficiency, and the direction of us to that which will supply us with what we so essentially need; without this, it assumes the aspect of a completeness of which it is entirely destitute.

For these reasons, there can be no true, or complete, or obligatory, or duly-influential, or all-embracing moralization of the human mind which does not come from our Creator and is not inculcated by him. All else will be but habit, custom, inclination, temper, humour, feeling, caution, fear, imitation, or chance with the great body of mankind, and even more commonly with our individual selves, than we like to believe or may choose to admit.*

[&]quot; With the most reasoning men, morel theeries and morel codes ess

But all Divine tuition and improvement were lost to the human world as soon as paganism separated it from its God: and hence the process for the recovery and melioration of the human mind, which then became necessary, was wanted as much for the moral illumination and guidance as for the re-Keious instruction of human nature.

LETTER XXXVII.

Mankind unable to liberate themselves from their Pagan Superstitions er from Atheism.—The general Disposition to discredit Specific Rev-clations,—Divine Agency has been indispensable to rescue Mankind from those Errors and Perversions.

MY DEAR SYDNEY,

The preceding facts and remarks lead us to the conclusion that the renewed race of mankind, if they had been left wholly to themselves, would have become, as they did generally become wherever thinking and acting solely on their own will and inclinations, a pagan and unmoralized population, grossly superstitious or atheistical, selfish, violent, cruel, fantastical, and corrupt. Such was the general result. Some were more isporant and animalized than others; brutish in most of their babits: addicted to war and revenge; indifferent to human bloodshed; persecuting, attacking, and deceiving each other; plundering and murdering, or indolent, stupid, and debased.

These were the too frequent features of the ancient population, with pleasing mixtures of better qualities in some; and such our contemporaries too much incline to be, in those regions of our present world where paganism, or the abnegation

but be individual argument, individual speculation, and individual infercases, which others may concur in or dispute, and which will always be a subject of ingenious discussion. The stacks lately made on Dr. Faley, case of our wisset moralists, are existing evidence of this fact. If he be right, his opponents are wrong; if their notions are more just, he has erred. So it will always be with all human systems of morality. Heten. So it will silvary be with all numes systems of morality. He-im moralities, urging only their reasonings, are intellectual glediators, sensatively combating each other before the public eye, frequently gain-guageporary victories, but never an acknowledged or commanding sor-signity. Curtainty and real obligation will attend wise greening and synations only. Vol. III.—K E

or ignorance of the real Deity exists; and where polytheistic and idolatrous or atheistical superstitions have taken his place. It seems a kind of verbal contradiction to talk of atheistical superstitions, as atheism professes to abolish all superstition; but it is not only true that atheism, in all parts of the world, has superstition actually established in the earth, with all the artificial rites and costumes of a national hierarchy and worship. This is the Buddhist paganism, in which no deity is taught or believed; where the founder of it, Buddha, is revered himself; and in which demons are accredited and upheld as evil beings, governing or afflicting mankind, and to whom sacred ceremonies of fear or hope are nationally performed. This exists in Ceylon, Siam, and in other regions on the eastern seas.*

Atheism in France had the goddess of Reason.

That mankind are unable or unwilling to liberate themselves from such absurdities, such abominations, and such slavery, is a fact which experience forces upon our notice. The continued existence of such a system as the Siamese and Ceylonese paganism proves it; for the priests of this have no small share of understanding, and cultivated acuteness, and worldly knowledge; and both they and their votaries have stoutly resisted all change and improvement. They are still actively opposing the enlightening exertions and example of their Christian masters.† The Japanese, though in many respects a very cultivated people, fercely maintain their polytheistic idolatry; have destroyed what Christians once were made there, and sternly, with watchful and deadly policy, promade there, and sternly, with watchful and deadly policy, pro-

^{*} Mr. Gutzslaff, in May, 1831, had lived three years in Siam: he mentions, "All religions are tolerated in Siam, but Buddhism is the religion of the state, and all the public institutions are for the promotion of this superstition. Buddhism is atheism, according to the creed which one of the Siamese highpriests gave me. Their highest degree of happiness consists in annihilation—the greatest enjoyment is in indolence—their sole hope is founded on endless transmigrations—they are firmly assured that, by degrees, in the course of some thousands of years, they will come to be a king."—Gutzslaff's Journal, p. 25.

some nope is nounced on encloses transmigrations—they are mmy assertant, by degrees, in the course of some thousands of years, they will come to be a king."—Gutzaiaff's Journal, p. 26.

† A missionary in Ceylon states, "Matura is the place where Buddhism most flourishes—its stronghold. The principal wealth of the district is devoted to Buddhism. Its priesthood, more than 700 in number, is active: skilful and active enemies; almost every village of importance has priest. We have a refined, metaphysical system to oppose, upbeld by men of considerable oriental learning and great acuteness, who also make great professions of sanctive."—Miss. Reg., 1836, p. 152. But, ander our government, Christianity is beginning to take root there.

hibit the introduction of all better systems and knowledge than their monstrous and inherited heathenism. The Burmese government has prohibited Christianity and silenced its teachers. The whole of Africs, south of the Atlas and the Great Desert, is in the same state of mind and feeling. The real Deity is there universally forsaken, unknown, and uncared for; and the most unintellectual and ignorant pagamams, in various forms, but equally absurd, and in some parts angularity and inhuman, are resolutely retained. The Polynesian Islands of the South Sea, and the great continent of Australia, were in the same state until the Christian missionaries visited them. The government of Madagascar now persecutes Christianity, after having allowed it to be taught. Nor is this intellectual deprayation the character and companion of the un-

* Mr. Kincaid, the American missionary at Avs, states, "The Mea-wade Woongee has shown inmed! particularly hostile. The times he has been taken up in the high court of the empire. On 22d March, 1825, a message came directing my immediate appearance before the court. The Woongee their inquired sternly, 'Why have you come to the royal city!' 'To diffuse the knowledge of the elemnic (lod.' 'Dare you say that the weighen of the king, his princes, his nobles, and his people is false?' 'No, my lord! but in my own country and in all the world, before the Rasweladge of the hing find appeared, the people worshipped idols; and the conceaned of God is, to go into all the world and preach this religion.' 'Stop' it is not proper to say so much; it is the wish of the king, his missisters, and myself, that you should preach no more.'"—Ih., p. 905. But, as part of the maritime provinces of Burma has been coded to the English, Christianity is now taught in these, and the Burmese, being a reading sation, receive the books offered them very engerly. Their religion is Huddhiem.

Captain Marryat says, "I never mot with a Burman, not even a lad, who could not read and write. I once asked a Burman molder what was his idea of a future state, he said, 'I chall be turned into a buffile, and shell lie down in a meadow of grass higher than my head, and shall eat all day long, and there won't be a single moscheto to annoy me." "-

Metrop. Mag., 1836, p. 193.

† The kingdoms of Ashantee, Dahomey, and others on the Gold Coast have been profigst in their human sacrifices.

The Care of Good Hope newspaper, in February, 1926, mentioned that "the Gueen of Madagascar had leaved an edict suppressing the profusion of Christianity throughout her dominions, and prohibiting any departure from the customs of her uncestora." Hefers this interdict, under the fermer lang Radam, the uncestoraries had iranslated and printed the Reriptures in the Malagasca language; all ranks began to learn to read, and applied for those books with such availity, the Rev. Mr. Freeman asys, "that we cannot procure a supply to meet the demand. I think the whole of the rising generations will be readers."—Rep. Ethica Sec., p. 77, 1856.

civilized and the ignorant only. In this respect, these only resemble the most cultivated regions of the world, which the sunshine of Christianity has not illumined. Such were the Hindoo populations—a hundred millions of human beings although the first order of their state was the religious and aducated class, and although they abounded with colleges and anthors of literative science, and exhibit much controversial ingenuity on what they have manufactured.* Such are still the more informed and more anciently-civilized Chinese. If any nation could reason or enlighten itself out of such pagan darkness and bondage, and free itself from their fetters, and errors, and evils, this great people, a third of all mankind, ought assuredly to do so; for their noblest class is the intellectua and literary order of their society. Men acquire their highest dignity of mandarins by their study of letters and knowledge, and according to their proficiency in their national writings; yet here paganism reigns unshaken and supreme, although a Chinese Socrates did appear among them in their Con-fu-tree or Confucius, and though many of their authors express admirably some moral truths. But the government and leaders of this immense and comparatively rational and enlightened nation not only determinedly uphold their national paganism and all its evils, but, after a knowledge of what is better, and even a reading of the books that teach it, prohibit the introduction of the sacred improvement; and this very last year, 1836, has begun a new and inflexible persecution and rejection of the offcred Christianity. Thus all the culti-

a pale white."—Chinese Repository, printed at Canton.

"The emperor is called 'The Son of Reaves.' He is the higheriest of the nation, and the only medium of communication with the server of

^{*}To what extravagant ideas their false theories lead their educated men, two instances show:—In April, 1834, a missionary writes from Benares, their chief seat of learning.—"Another pundit came up to me, exclaiming, 'God is in me, I am God.'" So, in the August following, two pundits approached him; "one came bawling out, 'I am God, I am God. 'Well, then, you are an extraordinary man.' 'Yee, God is in me, I am God, and so are you.' 'Do you think that I also am God T' 'Yee, you are God, every one is God."—Miss. Reg., 1835, p. 419-20. This is the pantheiam of Spinoza, which some of the German unbelievers are teaching their pupils; so nearly are paganism and atheism allied.

† "In the Chinese state religion, the material universe is worshipped

f "In the Chinese state religion, the material universe is worshipped as a whole and in detail. Subordinate thereto, they have gods celestial and terrestrial, and gods infernal. When the emperor, as highpriest, worships heaven, he wears robes of azure colour, in allusion to the sky; when he worships earth, his robes are yellow, to represent its elements when the sun is the object, his dross is red: and for the moon, he wears a nels white."—Chinese Repository, printed at Canton.

vated nations of the pagan modern world, as well as the ruder and more ignorant, have arrayed themselves against the real Gord and his revelations as much and as resolutely as the aneign paganems did, and as all mankind do whom religion does not interest. They prefer their own errors and habits to his tuiton—to all Dyine truth.

From these examples, now full before our evenight, we see that human nature, when it has thus once abenated itself from the true Deity, and adopted its own false imagination material. cannot or will not enlighten, rectify, or meliorate itself. The same fact and certainly appeared in every part and in every age of the ancient world. Egypt was in the earliest times at the head of the human race in arts, in arms, and in all the serence which was then known, and her chief order was the educated, the sacerdotal, the only literary class. Did her at tamments prevent the establishment and continuity of the growest superstition? So far from it that no people on earth had grower. The paintings and sculptures in her temples and palaces, still remaining in their runs, exhibit this to us. Did she ever abandon them of her own accord? Never, she adhered pertunationaly to them from age to age, and aimid all her national changes of dynastics and foreign subjections, till the gradual prevalence of Christianity overthrew them. Greece, the parent of the fine arts, of taste, of literature, of oratory, of philosophy, of the drama, and of all poetry, abeliah her management and idole from her own choice and enbylitened mind! Not at all; she unheld everything, with some medifications, to atrengthen them, even while she must have deseased them. Atherem made large conversions in her populatuma, especially after Emerica; and the numbers increased who dishelieved and decided the national ameritations; but no one shoushed them or desired to do so. St. Paul found them in this state, and was opposed by them in the day of the greatest diffusion of their intellectual attainment . Did other

harven; and only he and his deputies may offer homage at the court of harven."—Chin Rep., January, 1435. An 1430 closed, the imparial decree arrived is Regiand which had been assessed in the automore by the emperor for the suppression of Christianity, and for the arriver of floreign broke throughout his dominions. Translations of the Scriptures and otstements of the Christian religion had been sent him.

When called before the Arespagus, on the charge of being "a action forth of strang guds," the effect of him admirable address was." when they heard of the resurrant on of the dash some more had, and others said, "We sail hear thee again of this matter," but up fave ware interested.

Gracian cities become more rational! So far from it, that at Lystra they chose to consider the two Christian anostles to he Junter and Mercury coming to visit them, and stoned them because they refused to be so worshipped.* The pagan system was upheld by common consent; by the belief of the great mass; by its convenience or gratification to all, and for its political uses. This was fully displayed in the polished city of Ephesus, the chief ornament of Asia Minor. The same questions and the same answers attach equally to the Roman idolatry and superstitions. Its great and enlightened men, though in the latter ages disbelieving what they maintained, and most of them addicted to atheistical theories, yet chose to be the highpriests and augurs of the paganism they acoffed and laughed at with each other; and long bitterly and perseveringly opposed and persecuted the Christian teachers that sought to emancipate the world from such errors and bondage. Their ablest emperors maintained their paganism

to examine or embrace his Divine lessons, that he soon departed from them.-Acts xvii., v. 19-34. "His spirit was stirred within him when he saw the city wholly given to idolatry."—Tb., v. 16.

* Acts, c xiv., v. 6-30. When Paul had cured the cripple, the public cry was, "The gods are come down to us in the likeness of mea."

"Then the priest of Jupiter, which was before their city, brought oxen and garlands into the gates, and would have done sacrifice with the people." The spostles rent their clothes with horror at the impiety, and eloquently exhorted them to "turn from their vanities unto the living God, which made heaven and earth, and the sea, and all things that are therein;" but "with these sayings they scarce restrained the people, that they had not done sacrifice unto them;" and as soon as some Jews had spoke, "the populace," having stoned Paul, "drew him out of the city, supposing he had been dead."—Ib.

Though St.

The the interesting account in Acts, c. xix., v. 23-41. Though St. Paul was two years teaching there his sacred truths, yet the effect, as he began to make some conversions, was a popular turnult, as soon as it was publicly known that they taught "that they be no gods which are made with hands." "When they heard these sayings, they were full of wrath, and cried out, 'Great is Diana of the Ephesians' "when a friendly orntor would have interfered, "all with one voice, about the space of two hours, cried out, 'Great is Diana of the Ephesians'?" And how did the public suttorities appease this uproar? Knowing the imperial jealousy of all clamours and sedurions, they reminded the people that "We are in danger to be called in question for this day's uproar," and only quieted thom by their officer assuring the mob that their ide and their idelatry were in no danger. "Ye men of Ephesua! what man is there that knoweth not that the city of the Ephesians is a worshipper of the great goddess Diana, and of the image which fell down from Jupter. Seeing, then, that these things cannot be spoken against, ye ought as be quiet, and to the nothing readly."—b., v. 35, 6.

to the last, and so did the Roman senate.* Nothing but the imperial power, wielded by sovereigns who had esponsed Christianity, could overcome the civil and political hostility, t It is clear that, if our Saviour had not taught his Divine system and spread it among mankind, the ancient pagamana would have still been the religious and the state establishments of the civilized world in its western sovereignties; the barbarous tribes would have equally retained theirs; atheisin might have destroyed the belief, but would have retained the evetem and the practice.

Happily for us, the Continent of Europe and our own country are in a different state. But why are they so! What has everthrown the ancient superstition! What has recalled the human mind to its God! What has abolished the alienation from hun in myriads and millions of his human beings, in the last eighteen centuries of their existence, when nothing could prevent or cure it before? Every one may ask the question for himself, and for himself investigate the facts and provide the answer. That it was not philosophy or any improvement of mind, the continuance of all the paganisms in every country, till Christianity predominated in it, and their continuance still in those civilized countries into which it is not yet admitted, fully prove. That their philosophers upheld the pasaniams they despised, and resisted, and deprecated, and derided, the great Christian regeneration of human nature, the existing writings or sentiments of Celsus, Antoninus, Pliny, Plotinus, Intoblichus, Porobyrus, Libanius, Philostratus, Lucian, Julian, and many others demonstrate, to all who will read them; nor could it be otherwise. If man will not derive his religion from God, but will make it for himself, he must either live without miv, or he must support, and cherish, and practise what he chooses to invent.

The inference, therefore, which from these facts presses upon our mind is, that DIVING AGENCY, and DIVING AGENCY alone, could have rescued mankind from these chimeras and absurdities; and that this must have been in operation so succes-

[.] They imputed their sufferings from the Gothic invasions to the on-

corresponds their numerings from the toront invasions to the ser-correspond of Climitanity, and petitioned one of the successions of Constantine to restore the alter of Victory and the pagen worship f it was not till the region of Theodonius that pagentiam was fully re-moved from the Roman empire. It was adhered to by many able were to the lost, until it was made illegal and a subject of judicial preservation.

sively to eradicate all their ancient forms, which were holding mankind in captivity before our Saviour came; and, by their removal, has made the European continent so pre-eminently intellectual as compared with the other quarters of the globe.

That human agency would not of itself have effectuated this mental revolution and enlightening progression of human nature, seems to be further evidenced to us by what has happened within our own personal experience; for have not those mands which, in our own times, have disbelieved and rejected Christianity, been labouring as steadily, and as earnestly, and, when they have the power, as fiercely and as unrelentingly to destroy it, as Antoninus, Dioclesian, or Julian did ! Have not many of the most educated and intellectual men of France. and Prussa, and Germany, and even in our own island, sought and endeavoured to abolish the belief in God and all revealed religion, and all religion whatsoever! Do scientific attainments, or excellence in arts, or literature, or knowledge; do genius and talent preserve the mind from this deterioration and hostility! Are they not even zealously acting to do again what paganism in old times did-to separate the human mind from its Creator, to abolish all belief and idea of him, and to destroy both his influence and his memory in the human world!

The struggle which the opposition of the human mind to revealed religion is still making, and began so stremuously, during the last century, in the leading Christian nations of Europe; and the successes which it has at various intervals during this period obtained, compel me to conclude, that if a Divine agency, though invisible in that form to us, as it is always in nature, had not been counteracting such effects by causing incidents and human instruments to arise competent to check the advancing evil and to preserve the endangered truth, the hostilities waged against it would have subverted it. In the year 1780, the three reigning sovereigns of Russia, Prussia, and Austria, and several of the minor German governments, were inimical to Christianity in their minds and projects, and spread the unbelieving spirit extensively around them. The court and nobility, the literary class, the middle ranks, and even many of the higher clergy in France, had

^{*} Dr. Priestley mentioned that on his visit to Paris just before the Presch Revolution took place, he dined in a party with sums of the

adopted the same adverse sentiments, and were becoming sealous to overthrow what their ancestors had cherished; not the mere national form of it, but the substantial reality itself. One mighty spirit of warfare against the Christian faith was taking possession of the European world in the latter part of the last century; and genius, fancy, science, and letters were eagerly co-operating to give it diffusion and efficacy. The theones which were then strongly urged, that all the evils in the world had flowed mainly from religion and government. and were to be removed only by the suppression of both, greatly increased the danger by enlisting the personal interests of mankind in favour of the assault. Great numbers in all countries of intelligent, as well as active-minded men, desired to try the experiment of the change. France took the lead in making it. She overthrew her government and her religion; and, with unsparing violence, put many contrary speculations into practice, which her reason, her passions, and her imagination suggested to her unfettered and excited population. She called on other nations to imitate her example; and, by the long triumph of her arms, put Christianity into a peril which it had not experienced before from the era of its estabhebment. The British nation was made the great bulwark to save it from the destruction that was overwhelming it. Its sovereign, George III., was sustained in his belief and firm adherence to it, when the other rulers of Europe were alienated from it; and the French nation was suffered to rage and act as it chose, till the enormities and calamities that issued from their agritations produced a general perception, in our happier country, of the musery and crime which the downfall of religion would bring upon every class.

In these events the Divine agency is discernible through its human channels and instrumentalities, and appears also again conspicuous to us in extending now the naval power and disant colonizations of the British nation among the still pagan populations of the world; and in making its high-minded and enterprising inhabitants active everywhere in disseminating the

chief prelates of France. The conversation from the others became an attack on Christianity in general, which the dector assicually defended; whose one of the diginitaries, with an expression of great surprise, exclaimed, "Monnieur speaks as if he really believed it." The impression on Priestley's mind was, from all he saw and heard, that his belief was confined to hisself.

Christian faith, with all the civilizations and improvements with which they themselves accompany it. In what they are now doing; in what they archieved for the benefit of all, in the last grand contest for the independence of nations and for the public happiness; and in the prospects opening to-us, as time extends its onward flight, we may see a verification of the prophetic declaration, applicable to all nations that will so feel and act, and of late peculiarly true as to the British Islands. "The people that do know their God shall be strong and do exploits.""

exploits." Any purpose in making these remarks is to lead you to perceive that, as far as human agency, as active and enlightened intellect, as superior science, as great and varied knowledge, as literary exertions of all sorts, and as an unsleeping zeal and unexampled activity, aided by warlike victories, scarcely paralleled before in their number, rapidity, and territorial extent, could have overthrown the only true religion in the world, there has been full reason to suppose that it must have been subverted by their attacks. Human causes alone, if no other had assisted, would not have rescued it. The right inference, therefore, seems to be, that Divine agency, by the human means which it put in action and guided, was necessary to preserve what it had inculcated and established; and that it has been operating effectually to that end.

We may estimate the danger, and from that appreciate justly the need of such influence, by learning that the attacks on revealed truth have been so far successful as to unreligionize nearly a moiety of the French population; for it has been calculated that this portion of them are in the unbelieving state.† The prospect seems not to be much better amid the

* Daniel, c. xi., v. 32.

† M. Thibaudeau added to his "History of the Counsels of France" a statistical semmary of raligion in the French empire at that time when it included Belgium and the departments of the Rhine:—Catholics who followed the constitutional priests 7,500,000

Catholics who followed the refractory priests 7,500,000

Persons born of Catholic parents, but following no mode of worship, either through indifference or on account of the interruption and persecution of religion over a great part of the country 13,000,000

Persons belonging to no religion whatever, by their manner of thinking and acting 14,000,000

Protestants of Various communities. Jews &c. 3,000,000

26,000,000

present legislators of our kinsmen in North America.* It is true that Napoleon Bonaparte re-established a Catholic hierarchy in France; but this was not because he was attached to Christianity, but merely for the political benefits he hoped to derive from it. He avowed this to his confidential counsellor. Theoretically, he was not an atheist; but, like many who also avow a general theism, he had the same aversion to revealed truths, to all recorded communications from the Deity which they entertain, and from which pagamism at first originated.† These facts, combined with the writings of so large a portion of the German clergy, who have treated the Scriptures as mere myths and fables in all their narrations of the

"The treth is, that, as in numerous parishes all over the country there had been no religious worship performed for many years, religious ideas had become very much weakened in the minds of the people." "Thib. Le Consulat, vol. 11., p. 109.

It was natured in Kovember last (1836), at a public inecting at War-

• It was stated in November (act (1836), at a public meeting at Warrington, that in a late "New-York Observer" it was mentioned, that out of two hundred and ninety-one members of the Congress in the United States, and Verenty-one were Christians (a).

States, only twenty-one were Christians (a)

After the battle of Marengo, he invited the pope to enter into negotiations on the subject of religion in France. During these he consulted with several of his state counsellors. One of these had a conversation, which Thibatedeau, in he "Memorine," this describes from him

"After their dinner at Malmaison, the first consult took him alone into the park, and led the conversation to the subject of religion. He spoke at some length against the various systems of philosophera, detem, natural religion, &c., and declared them to be nothing but kilenlogy. "Listing" he added, 'I was walking about this solitary spot less Bunday evening. Everything was silent around me, when the sound of the clurch is the power of first impressions and of education. I then east to myself, What influence these things insist have upon simple and cardediests persons. Let your philosophera sinswer that. There must be a religion for the people; but this religion must be in the hands of government. At present fifty emigrant bishops lead the clergy of France. We must destroy this influence; and for this the authority of the pope is required. People will say that I am a popiet. I was a Mohainmedan in Rgypt, and I shall be here a Catholic, for the good of the people. I de not between the religions, but the idea of God!" They raising his hands towards between the religions, but the idea of a God!" They raising his hands towards between the religions, but the keep of a God!" They raising his hands towards between the religions, but the keep of a God!" They make all; do ""

towards heaven, he exclaimed, 'Who, then, made all: '10". They admit a Daity in name, but will receive no precepts or religious instructions from him, and support any solely for its popular effect.

⁽a) Of course the criticy of the statement had come limiting lifes in his count, which Mr. Therein has convertedned, or of which he was special. If the Bl members relevant, probably not one would arrow himself not a Christian, sittings, as in the firstisk pathons many and other legislation between the Christians; of a serie legislation to before, the Christians; of a serie legislation and offer the deal of the test of a rupid on ampoint inquery. The removal in the test has no websteen, and the control of the test of a rupid on ampoint inquery.

Divine interferences, lead us to feel strongly that the nance of Christianity, as to its human support, has re still reets principally on the British populations, and are the present agents and instruments used and diffuse it.* Others may deem religion of for its state benefits; but a political patronage of it, the sincere belief, would not long perpetuate it.†

These circumstances illustrate to us the state an of the human mind in the anterior ages, when it a itself from its Creator, and invented and adopted it isms instead: the same disinclination to any specifirevelation and the depreciation or rejection of what delivered. Thus the primitive descendants of No put aside what had been communicated to him and hi as millions now dislike and relinquish the sacred recor we possess. The principle seems to be the same cases. When the atheist or skeptic abandons and e from his mind the real God, or disbelieves his existen man becomes in his conception, and would so be if h were true, the greatest known being in the univers then stands at the head of nature instead of God: a this feeling, the Buddhist system gives him this su to all the divinities which others are worksipping.

* Yet it is conceded that America equals, if she does not at other nations in missionary effort.—Am. Ed.

The some moments Napoleon felt that an actual religion was wanted by mankind for its moral utilities—something more the lead deism. "On 4th June, 1800, just before the battle of Mi wrote from Milain to his two consular colleagues at Paris—'Le lets of Paris say what they please, I shall attend to-morrow formance of the "Te Deum," in the cathedral.' He went to i state, and the next day he summoned the parochial clergy of 8 told them that he would protect the Roman Catholic religion; a sany state of society, no man can be virtuous and equitable with lag whence he comes and whither he is to go. Mere reason can ideas on the subject. Without religion we must be groping of in the dark. There can be no good morality without religion, without religion is exposed to all the shocks of the most violent and falls a prey to the internal discord which must infallibly prain.'"—Thibaud-au's Consulat, vol. 1, Piecce Justif.

The Sanscrit professor, Mr. Wilson, in his lecture on Bu

The Sanscrit professor, Mr. Wilson, in his lecture on Buddhi Inculcated the belief in the superior nature of man, made perfected of the key gods, and on this account they neglected and depre Braminical divinities. Their great figure in all their wor Buddha, the author of their system, who is still revered in Chi Aya, Siam, Thibet, and Tartary. Mr. Hodgaon, in his paper

rinciple equally operates. Revelations from the supreme sequire us to form and regulate our mind and conduct according to their disclosures, counsels, and precepts. But to such control and government the great majority of mankind have been in every age repugnant; and as by disbelief they get rid of their idea of the obligation, their desire of the independence, and of acting as they please, is a strong inducement to discredit what they dislike. Even theism has the same tendency from similar impressions; for it is obvious, that if no system has been specially revealed and enjoined, all religious ideas and practice, and moral self-regulations must, like the pagan kloss and worship, be the mere matters of individual judgment, liking, fancy, choice, and speculation, none of more authority than another, and those of others never preferred by any one to his own.

All these facts and views confirm the impression, that, as far as the human mind alone has acted and would operate, againsm, atheism, and a disbelief of specific revelations have seen and would continue to be the exclusive possessors of the social world, and that nothing but Divine interference and agency has rescued mankind from them. This happy usual has been effected by that peculiar process which the Divine wisdom has devised and kept in operation; and to the consideration of that we will now direct our next attention.

LETTER XXXVIII.

The Divine Process for the complete Fernation of Mankind a prospecttive and progressive one, foreseen and settled at the Creation to be so. —Their Nature made to be improvable with this View.—The Improvetions it had always to acquire.

MY DEAR SON,

The leading feature of the process which has been adopted by the Deity in his intellectual agency and revelations has been their PROGRESIVE nature, working out good in every

Biem in Nepaul, read to the Royal Asiatic Society, described it to be "in a few words, monastic asceticism in morals and philosophic simplicism in religion."

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generation, but producing larger and richer effects in each series of the evolving ages; and operating onward to a grand or ulterior completion, which has not yet been attained; but to which it is steadily advancing human nature and the final

population of our globe.

That a progressive course of improvement has been pursued with mankind, we perceive by what has actually occurred. On looking back to the earliest ages of society, and on contrasting these with the world now around us, and by studying the state of the intermediate periods, we see that there has been a gradationary improvement, a successive progression of human nature in all things, from the deluge to our present day. It is most valpable to the common eve in our sciences. our manufactures, our general knowledge, and our multifarious literature. On these there can be no doubt or mistake. Compare Egypt and Phœnicia with Greece—Greece with the Roman empire in its most advanced state—all these nations with our own country and Europe as the sixteenth century closed; and our predecessors all over the world at that time with what we and the country around us now are: compare all these successively with each other, and the progressive series will be as clearly visible to us as the succession of the dawn, the morning, and noontide is to our bodily eye, in every day that occurs to us.

The progression is not less manifest in religion and government-in legislation and morals, and in all the conveniences of life-in taste, judgment, polity, and philosophy-in civilization and refinement of mind, in manners, in elegance, in courtesy, in philanthropy, in general civilization, and in individual benevolence. The more minute and extended our knowledge becomes, both of past nations and of our contemporaries, the more clearly we shall discern the improvements which have been effectuating in human nature, and also the fact that they have been gradually attained; gradual both in the successive acquisitions, and also in the diffusion of them among the various and multiplying populations of the globe. Every individual is in himself a progressive being of this sort, and is, in his own personal experience, an illustration of the progressive advancement of his nature, in the series of the generations which have preceded him, and in the separate nations by which he is surrounded.

What has taken place in himself has taken place in his

energies at large, so that I consider no fact as more certain in the history of our world than this progressive advance of human nature to its present enlarged and meliorated condition. It is also as manifest that this improving process has not stopped, but is still going on in an accelerated ratio, and with results more rapidly evolving than earth has hitherto What has been discovered in the Egyptian paintings is no exception to these remarks: they show us the degree of civilization which the renewed world revived from its antediluvian reminiscences. What Egypt had soon passed into Greece, and was there enlarged. That this progression was foreseen by our Creator, and intended by him to take place. and was a part of his original plan of our being, is not only to be inferred from the fact of its occurrence and from his admitted omniscience, but it likewise rests still more satisfactorily on his own revelation of the fact. Our Saviour has declared, that his future kingdom of heavenly felicity was put into preparation at the foundation of the world. His apostles mentioned that the scheme of our redemption was the mystery planned before mankind were created.* Our Lord's advent upon earth was alluded to in the Divine address to Abraham, and in the prediction which the dying Jacob was inspired to utter. The last periods of our human world are emressly delineated by both Isaiah and Daniel, and also noticed and sketched by others of the prophets, and in some of the pealms. These circumstances show that the plans and process of the Deity in the formation of human nature have been prospective and progressive from its commencement: their appointed ends have been designed to be those which would not be accomplished till the latter periods of the human world. These predicted results have not yet been fully attained; but several of the intervening, and immediate, and conducive effects have been brought about.

We have, therefore, sufficient evidence to warrant the assertion, that the formation of human nature to its intended completion and final excellence has been foreseen, and intended to be a progressive and successively enlarging and enriching improvement. The plans and process of the Deity with

^{*} These passages were quoted and referred to in the eighth letter of the ascond volume of this history, p. 100. They occur in Matt. xxv., v. 34: 1 Cor. ii., v. 7; Bon. xvi, v. 25; Eph. iii., v. 9; 1 Tim. i., v. 9; Bph. i., v. 4, 11; Titus i., v. 2; St. Peter I., c. i., v. 30.

respect to it must, therefore, be of a progressive nature, and with a gradual operation; producing such immediate results from time to time as were meant in each generation to follow from them; but acting steadily onward, to affectuate their grander purposes and more perfect creations.

We are living now in the thirty-eighth century of the operation of this process, or nearly so; and in what the world now is collectively as a whole, and most strikingly in some of its most prominent countries, we see the admirable effects which have thus far been produced; and we are enabled to discern that others far more brilliant and ennobling are coming into birth, and will be the possession and inheritance of our yet distant posterity.

From this contemplation of what has been designed and of what has been effected, and of what is still pursuing by that Divine agency which alone can accomplish the purposes of Divine foresight, let us now advance to a further consideration of the course and principles by and on which what has been done has been effectuated.

If the human mind has been thus improved, man has been and is an improvable being. Improvability must then be a quality of his essential nature, and he has been created to be of this character. He has not been created a perfect being at his first creation, but as a being that was to become such at a future period, and to be continually advancing to it, by a progressive series of moral meliorations and mental enlargements, until his nature should at last attain the assigned completion. If man had been created to be perfect at the time of his creation, there could have been no subsequent improvement, and no reason for it; nor could be have been improvable. All change of what is complete could only be for the worse. He would, if he had ever been in a fullformed state, have been definitely what he was at once, and so have remained for ever. From that condition he neither could nor would have advanced or altered. But it is manifest that he has been and is an altering being; and therefore he was never intended to be such a fixed and completed being at the commencement of his existence, and has not yet become of this final and stable character.

The very system of his birth precludes the possibility of such perfection. What Adam was we do not distinctly know, though we may assume that he was as complete and perfect as a first-made being of the human species could be; but

what Adam was none of his posterity could be.

For as to them it was made the law, which has never altered, that they should be born in a beby state, and therefore totally ignorant of all things; feeble, helpless, and with all parts of their body only a portion of their intended size. No infant is in any respect a complete or perfect human being either in frame or intellect: and all mankind being appointed to be born as bebes, none were meant to be perfect at their birth; but all come into life on the principle that they shall be improvable into what they ought to be, as far as they are able to advance in their worldly life, and under the circumstances which would individually accompany it.

The consequence of this unvaried law as to our nativity is, that every one is born, and now as much as all were 4000 years ago, an imperfect being—imperfect in all respects when they begin their human life, but continuously improvable from the first moment they breathe and see. They are meant to acquire all that they are deficient in at their nativity as soon and as largely as their country, era, and surrounding society, education, custom, and means of self-formation allow.

Improvability is therefore the law and designation of our created nature; and to improve is its perpetual tendency, and should be regarded as its perpetual duty; for it was manifestly made improvable, in order that it might improve. It was born incomplete with the express purpose that, as it lived, it should gradually attain the completion of what it was capable of. The full formation of our body and limbs our Creator has taken into his own care, and, by the plan and law of our frame, has always secured the performance of that effect. Under these the body grows of itself, without our agency or consciousness, into what it is to be for its tempomer earthly life.

But the improvement and completion of our mind or soul he has put into our own power, and required us to attend to and promote it. In this he only aids, and provides the means and materials for us to make use of, but he leaves it to ourselves to seek and apply them, and to acquire the additional qualities and excellences which we ought to possess. Revelation teaches and urges us to attain the largest portion of them that the position of our social life admits of; and also to make the required improvement the principle, the aim, the

leading habit of our lives. It intimates that, in proportion to the degree of attainable completeness with which we die, has future favours will be administered to us.

But what are the improvements which we have to acquire, and what are the aids which he supplies to us in the attainment, and what are the means and materials of improvement

which he has provided for us!

Born in total ignorance of all things, we clearly have to acquire the knowledge of all that we ought to know. Born atheists from that ignorance, we have to learn his existence and relations to us, and all that he has communicated concerning himself, his creations, our fellow-creatures, and ourselves. and the counsels and commands which he has expressed on all these subjects. Born with quick sensibilities, we have to train these to the right moral feelings. Excitable by everything and to everything, and with limbs capable of every kind of motion and action, we have to perceive how we ought to use all our faculties and powers, to what we should direct and apply them, and from what we should restrain them. We have to learn all the rules and attain all the habits of selfregulation throughout our whole earthly life, so that, as each occasion arises, we may not do to others or to ourselves what will be injurious or offensive, and that we may do in every circumstance what we ought.

Our own well-being is put into our own care, as well as the welfare of those with whom we may be socially connected; and we have to learn to know what we ought to do or avoid for our own sakes, as likewise to live friendly or in peace with others. We are born with a fine intellectual capacity; but which at first is vague, unformed, and general power; and we have to form and exercise this into correct observation and perception, just reasoning, and right judgment. We come into the world without any opinions at all, and we have to acquire right opinions on all things of which we shall become conscious, and on which we shall have to think and act. We have all these things to learn, and to learn for ourselves in the best way we can, from teachers, from example, from customs, and precepts; by observation, imitation, comparison, reading, thinking, judging, and acting, until we become spontaneously, and in our instructed and improved nature, and by practised habit, and by immediate and voluntary self-government, all that we ought to be, do all that we ought at every time to do, and know all that we ought to know, in order to have the continual rectitude of mind, feeling, desire, will, and conduct.

Now, as every child has to learn and to acquire all these improvements in our present families, so had every one of the generations which have preceded us upon our common earth. If they had made their full measure of these improvements, we should have come into a rich inheritance of them. But they have left so large a proportion of them unattained, that human nature is still full of deficiencies, which it is advancing enward to supply, and which every individual now living has to lessen in himself, as far as he may have the opportunity or the ability.

But the chief basis of all these in every age is knowledge—that knowledge which we all ought personally to acquire; because without it we can never be, or think, or act as we should do. Just as the child cannot act or judge properly

without it, neither can the man.

In proportion as any are deficient in what they ought to know, they are so far still in their baby state. They have their born ignorance and darkness about them, and must think

and act correspondently with that destitution.

But this knowledge must, like every other improvement, be a gradual acquisition: what is most immediately essential should be first attained; what becomes necessary in due succession afterward should be sought for in the proper course and order; and if this were regularly and fitly done, and the actions made conformable to the progress, the human mind would grow up steadily to all its required qualities and excellences, as the body does under the guardian and guiding laws which form it, and as the stately tree advances with uninterrupted certainty and expanding efficiency; never vacillating or inconsistent, but reaching in due time its ordained perfection, and retaining it unchanged as long as it is its settled nature to last.

But who must be the first teacher, and what the first knowledge to acquire? In our late epocha of the world, we have streams of knowledge of all sorts flowing about us and to us in ten thousand currents, and bringing with them all sorts of things, good and bad, the workmanship or effusions of our predecessors and of ourselves. The primeval ages had none of this. They had everything to find out or learn, and they could have no instructor but nature, which is passive and

dumb, and was always to be observed, studied, interp and understood; and THEIR CREATOR, who began to and meant to teach them, but from whom mankind so turned, and with such determined and persisting alien that from him they would learn nothing. This complim to choose his own means and process for their impment and benefit against their will; and to lead huma ture, notwithstanding its aversion to the teacher, to the gressive and ulterior completeness which he meant it to a

To these means and process let us now direct our thou

LETTER XXXIX.

A Delineation of that Part of the Divine Process which was com in the Formation, Establishment, and Instruction of the Josep tion.

MY DEAR SYDNEY,

The process adopted by the Deity for the benefit of hi man race, after their defection and alienation from hi displayed to us in the Hebrew Scriptures, from the acc of his address to Abraham to the last enunciation of his and purposes by the prophet Malachi.

The Divine communications to mankind closed with prophecy in that period of the world, and no further Divir terposition or supernatural agency was perceptibly ex on our earth until the appointed time of our Saviour's

approached.

A new series of Divine agency then commenced, we the Christian Scriptures narrate to us. They disclose a and extended process of the Divine wisdom as then praction, which has since been in constant intellectual opers and under whose continued agency we are now living, see not the directing hand nor the influencing power by material organs of vision. But the mind that duly state effects which arise may trace and discern them, and find daily delight in contemplating their widely-augment efficiency.

The scheme of the process was to select one individual from the revolting world, and to train him and his immediate deaccordants into a full and intimate knowledge of the Deity as a personal God; interested with his human world, desirous to teach and determined to superintend and govern it; and, by a series of incidents in their own biographies, to make them sensorially acquainted with their Creator, with the principles on which he should govern human life, and with the rules, and ideas, and feelings on which he required them to act towards him and towards each other. From the family thus instructed he planned to raise a nation with whom he should deal, and whom he should continue to teach and guide in the same immediate manner; and, in the various events which would occur in their national and individual conduct, to make such successive manifestations of himself, of his power and agency, of his mind and will, of his plans and purposes, of his counsels and precepts, and of his general and particular government of the world, as would infuse into the human mind, by due degrees, a true knowledge of him, and right ideas and feelings concerning him. By these the moral intellectual formation of human nature would be gradually advanced, at first in Judea, and afterward in the rest of the world, by the consequences that would follow, as these transactions and revelations became known elsewhere, and as further operations of the Divine agency in the world should introduce further knowledge and larger effects. Thus the truths which the rest of mankind were persistingly refusing would be gradmally brought to them through this peculiar channel, to be enjoyed by all when they should, in the course of time, become willing and more fit to receive it.

Abraham was the person selected to be the subject of the commencement of this grand process. He was separated from his kinsfelk and fellow-citizens in order to live at a distance from them, and was informed by the Deity that his posterity should be raised into a great nation.* A momentous appendage was annexed, that all mankind would receive a peculiar bles-

^{*} The Lord said unto Abraham, "Get thee out of thy country, and from thy hindred, and from thy fither's house, unto a land that I will show thee." This was the command. The consequence and reward of his chedicace as it was then added: "And I will make of thee a great nation: and I will blees thee, and make thy name great, and thou shalt be a blessing."—Gen. 18., v. 1, 2.

sing from them. He was made to go into Egypt for his improvement, and for benefit as to property; and to move from place to place that he might not settle, by a fixed residence into an assimilation with any existing population, and also to divest him of his erroneous ideas, and to wean him from his former pagan and other habits. That his mind might be adequately improved before he became a father of the new race that were to be the peculiar people of the Divine tuition, twenty-five years elapsed before the promised child was given to him. In the mean time he had another, who was designated to be the ancestor of the important Arab nation.

To establish in his mind a full idea and lasting impression that the Deity was a personal God, and meant to act as such to the human world, and desired to be so considered, it was necessary that the Divine nature should enter into a certain degree of familiar intercourse with Abraham and his first descendant, because this only would produce the intended effect. There is and always has been among mankind a great indisposition and unwillingness to conceive or believe in the actual personality of the Deity. The general notion, both among men of science and others, is rather that of an abstract power : of some undefinable and vague mightiness reducible to no distinct idea—an omnipotent something existing everywhere, vet in no locality-an incomprehensive agency, without any individuality—a theoretical Deity, but no personal being; nor as having a decided moral and intellectual character, with feeling thought, reasoning, and will, analogous to what appear of this description in human nature, though infinitely superior in quality and degree. Such notions make him little more than a name, and neither interest the human heart nor lead the human mind to the conception and belief of an intelligible and individual reality. The idea and feeling of a personal God were therefore produced permanently in Abraham and in his grandson Jacob, by those condescending appearances and in-

^{• &}quot;And in thee shall all the families of the earth be blessed."—Gea. xii., v. 3. This great promise was more fully cludidated by a subsequent declaration to him, that it extended to some descendant of his race. "In thy seed shall all the nations of the earth be blessed," c. xxii., v. 18. In these words it was repeated to his son Isaac, c. xxvi., v. 4.

[†] He was called from his native country at seventy-five, and Issae was born when he was a hundred.—Gen. xxi., v. 5.

[‡] Gen. xvii., v. 20. See the second vol. of this history, Letter XXVI., p. 391-412.

tescourses which are recorded in the Book of Genesia. These becaused the Deity within their sensorial perception, and bemen that difference between the God of the Margatures and the vague, indefinite, and theoretical Deity of the general world, It is his recorded manifestations and transactions which give the fullest and most impressive ideas of his moral, intellectual acting and governing reality. In these he always appears, meaks, and acts as a personal being, with feelings, thoughts, and faculties of which he has made ours a dun likerage and recrementation; but with which, though in that inferiority in which all created beings must always be, with regard to what m him in infinite and perfect, ours have a congeniality in the turn. Our april was breathed into our mortal frame from himself, and therefore, in its essential qualities, must always partake of his Divine inture, and was declared and meant to be a human image of it."

In three great proporties Abraham was educated by God m faith, in chedience, and in a knowledge of the actual attention of the Supreme to human conduct, and of his displeasure at the moral vices. Abraham was taught and exercised into a belief of the reality and true nature of God; and of his provdence and moral government, and of his exerted foresight. and forming plane and purposes for great and distant objects in the human world; and of his versuity and determination to fulfil what he promised and to accomplish what he foretold The faith of Abraham also extended to an implicit reliance and confiding assurance on the Divine declarations and predicteon, and was always accompanied with willing, ready, submittener, and immediate obedience. In this Abraham differed from Adam, and showed by that difference a great improvement in human nature. Abraham heard the connecation of

The hagmaing of this operal intercourse of the frester with his specture, in which he established himself in the relationship of a personal to his selected across and his posterity, is thus described

[&]quot;When Abram was nearly serve elvant in proceedings for the Lord appeared uses Abram, and said unto him. I at the Antienty Girl. Walk before me and he then perfect. And I will make my suvenant between me and then, and will multiply then accordingly.

"And Abram fell upon his face, and God talked with him, saying, "And abram fell upon his face, and God talked with him, saying, "An face me, behold my curement in with then, and thou shall be a father many makene, and know a half well establish

my antenant between the and thy and after the in their generalisms for everythering revenue; to an a Gov unto then and to thy and after thee?"—Gen. Avil., v. 1-7

the Divine commands with a persevering resolution to obey them, and always performed what was enjoined.

Obedience was with him always associated with his belief, and in this his conduct is an example to all. The apostle sava. "Abraham believed God, and it was counted unto him for righteousness."* He therefore exhibited both the Divine effect and the true nature of religious faith. The Divine effect, in the Scriptural doctrine, that faith is the justifying principle of man with God; and the true nature of the faith which is so, by showing us that it must always be the faith which obeys while it believes.

Abraham's belief was counted to him for righteousness, because he always acted upon it, and was most emphatically blessed for doing so in the most severe trial of his obedience to which he could have been subjected.†

The third great principle was inculcated by the destruction of Sodom and Gomorrah, because they were "wicked and sinners before the Lord exceedingly.1 It was so important in the Divine plans as to human nature that he should be known to require moral virtue from mankind, and that vice was offensive to him, and would be visited by penal consequences, that the Deity chose to make a personal annunciation to Ahraham of the catastrophe he was about to produce, and his reason for inflicting it.

He made this communication expressly because he knew that Abraham would teach his family the lessons he received. That the moral cause might be fully understood, and that its occurrence might create no diminution of the certainty of the

^{*} Romans vi., v. 3.

[†] This was in the probationary command to offer his son as a burntoffering on Mount Moriah. Abraham obeyed with steady resolution and resignation, and, when the Delty intercepted the consummation of the sacrifice, he attached his immediate benediction to the obedience. "Br-CAUSE THOU MAST DONE this thing and bast not withheld thy son, thiss only son, I will bless thee, and will multiply thy seed as the stars of beaven, and in thy seed shall all the nations of the earth be blessed, as-CAUSE THOU HAST OBEYED MY VOICE."-Gen. xxii., v. 16-18.

[†] lb., c xiii., v. 13. § " And the Lord said, Shall I hide from Abraham that thing which I do ; seeing that Abraham shall surely become a great and mighty nation, and all the nations of he earth shall be blessed in him !"— b., c. xviii.,

v. 17, 18. hold after him, and they shall keep the way of the Lord to do justice and judgment."—Ib., v. 19.

stare and geodness of God, and of his long forbest-I unwillingness to exercise his chastening power, was parmitted to reason with him on the subject, st that all were not guilty, and that the evil por-The seared on account of the unoffending, and that cht not outlor.

And Abraham drew near and said, Wilt thou also destroy the right-as with the wicked ! Peradventure there be fifty righteons within the or : will thou also destroy and not spare the place for the BRy rights that are therein !

"That he far from thee to do after this manner, to slay the righteens with the wicked; and that the righteens should be as the wicked, that e far from thee : Shall not the Judge of all the earth do right "And the Lord said, If I find in Bodom fifty righteous within the my, then I will spare all the place for their sakes.""

Abraham, with great reverence of mind, persevering in his le and generous philanthropy, ventured to reply :

A new, I have taken upon me to speak unto the Lord, which it and anhee. Persoventure there shall leak five of the fifty, with then destroy all the city for leak of five? And he and have ferty-and-five, I will not destroy it? Abruhan's last on-, "Oh let not the Lord be angry, and I will speak yet but Persoventure to schall be found thou. dventure for shall be found ther L. I will not destroy it for ten's a

process pursued in forming a people from Abraham's and of rearing it in Egypt, and, when its numbers signtly increased to found an independent nation, of It from its subjection to that civilized, and then prebut paganised kingdom, you have detailed in the enesis and Exodus. A brief outline of it and of ry was presented to you in our last correspondence.? slarge upon it here, but only observe, that by the attending the Exodus, the Deity displayed himself to amender and ruling soversign of every element and of nature with which our globe is connected. Its and animal compartments; earth; the river; the to the tremendous electrical power; the sea in all instantaneous death were made to operate as he All that Egypt was worshipping were shown to be bis will, and all were compelled to be instrumente

¹ D. v. 97-88.

of suffering to them, that the delusion of fancying them to be

divinities might be dissipated.

The next portion of the Divine plan was to lead them into the Arabian desert, and there to reveal himself in tremendous majesty to the whole people at Mount Sinai, and by a personal and awful voice intelligible to them, to proclaim the four great precepts as to their conduct to him, and the six others on the main subjects of the conduct of mankind towards each other which constitute the decalogue. He then made himself their immediate sovereign, established the form of their civil government subordinate to him, appointed all the civil and social laws which were to be their public legislation and private morals, and likewise instituted that mode of worship by which they were to address themselves to him. This he made to consist of two great divisions—supplication and thanksgiving. He formed their public rites of that nature as to cause them to present themselves to him as offending creatures, needing his forgiveness, and petitioning for it, and offering sacrifices of living animals as an atoning medium by which they were to obtain it. He required them to recollect continually that he was their preserver and benefactor, and to express their gratitude to him by their offerings and verbal adoration.

It was also made his grand moral command that they should cherish the feeling of affection to him in its utmost ardour. The principle of their actions and feelings towards each other and all human kind was made to be that habitual benevolence and philanthropy which would resemble and equal their own regard for themselves.* Under this system he established them in the provinces of Palestine or Canaan, displaying in their settlement another example, for their admonition, of the calamities which he brought on nations when they became universally impious and wicked.

He made their own happiness and national prosperity dependant on their obedience to him. This principle of his determined administration of their state, and of every other, was announced in his name by Moses to the Israelitish nation on various occasions, and most emphatically in his last address to them. He had told them that by steadily cherishing and

^{*} The last four books of the Pentateuch have preserved to us the fall detail of all these circumstances.

sying the councel and precepts he gave them, they would come, distinguishingly, a wise and intellectual people.*

He likewise had declared to them, that if they would thus mform to the wishes of their God, it was the Divine intento regard them as his peculiar people; to exalt them far we all the other nations of the earth in honour and celebriw: and to make them eminent for their moral sanctity among hind. †

This milendid destiny he exhorted them not to lose. He ested his assurance of it, with continual blessings from r Almighty sovereign in every earthly comfort and pros-ty, if they would be faithful in their attachment and duty m.4 But if they deviated into the contrary conduct; if by would not observe the laws and institutions, nor obey mmands, nor cultivate the true worship of their instructand legislating God, then national afflictions, foreign conrors, and a civil dissolution were to befall them on this at and from this cause. I their capital and other fortified

Of I have taught you statutes and judgments, even so the Lord my if commanded me, that ye should do so in the land whither ye go to seems it. Keep, therefore, and do them; for this will be your wieden of your contentantials in the eight of the nations, which shall hear all one statutes, and shall easy, Surely this great nation is a wise and manual me statutes, and shall easy, Surely this great nation is a wise and manual me.

le."—Dout., c. iv., v. š, č. juth averahed thee this de

g people."—Dout., e. Iv., v. A. G.
Livel buth avenched thee this day to be his possiliar people, as remised thee, and that their aboutlest heep all his commundation make thee muon above all. RATIONS which he buth mede, and in nemon, and in henour; and that their meyet be a hely to the Lord thy God, so he both spokes."—Ib., e. XXVI., v. 18, 19. It shall cause as peas, ye thus shalk heariest diligantly unto fittle Lord thy God, to observe and to do all his commundation I commund the thin day, that the Lord thy God will eng ER ON HIGH ABOVE ALL NATIONS OF THE RARTH," the earth shall see that thou art called by the name of the Lord; and

ey shall be afraid of thee."-Ib., xxviii., v. 1, 10.

"And all these blessings shall come on thee, and overtake thee, if ou shalt hearken unto the voice of the Lord thy God. Blessed shalt iou be in the city, and blessed shalt thou be in the field! Blessed shall be the fruit of thy body, and the fruit of thy ground, and the fruit of thy cattle; the increase of thy kine, and the flocks of thy sheep! Blessed shall be thy basket and thy store! Blessed shall thou be when thou most in, and blessed shall thou be when thou goest out! The Lord all command the blessing upon thee—in all that thou settest thine and unto."-Ib., c. xxviii., v. 2-8.

Il The 28th chapter of Deuteronomy details the maledictions that would pursue them if they forsook and disobeyed the gracious Being who called upon them to become his favoured and peculiar people. The accol reason is thus explicitly decision: AR them one delicities, and shall pursue they, and overtake thee, the these to temporary

cities were to be besieged and taken." and they were to be driven from their native land, and extenuated to a small nameher t and to be dispersed all over the world, but find rest. comfort, peace, and settlement nowhere.1

Another great principle, also announced by the Deity through Moses to his people, for the instruction of all manking. was, that the abandonment of the transgression, and the repentant mind and feeling for having committed it, and the sincere return to their sacred duties, should always end the displeasure, procure the forgiveness, and regain the favour of their God. This was emphatically declared to them with impressive kindness, o and made, as it were, one of the laws of the connexion between him and them, and intended to be equally so between him and all mankind.

The extension and application of this important principle of the Divine plan and conduct of all the populations of mankind were in an after age explicitly inculcated by the prophet Jeremish. He was directed to proclaim it in the name of the Deity, as the general rule of his providential administration in continuing or subverting the dynasties or empires on the earth.

BECAUSE thou hearkenedst not unto the voice of the Lord thy God, to keep his commandments and his statutes which he commanded thee,"-

Deut., c. xxviii., v. 45.

* "A nation of fierce countenance, which shall not regard the person of the old, nor show favour to the young, shall besiege thee in all thy gates, until thy high and fenced walls come down, wherein thou trustedst, throughout all thy land. If thou will not observe to do all the words of this law that are written in this book, that thou may at fear this glorious and fearful name, THE LORD THY GOD."-1b., v. 50, 52, 58.

"And ye shall be left few in number, whereas ye were as the stars of heaven for multitude; because thou wouldst not obey the voice of the Lord thy God. And ye shall be plucked from off the land whither that goest to possess it."—Ib., v. 68, 3.

* "And the Lord shall scatter thee among all people, from the one sad

of the earth even unto the other. And among these nations shalt then find no case, neither shall the sole of thy foot have rest. And thy life shall hang in doubt before thee; and thou shalt four day and night, end

shalt have none assurance of thy life."-Ib., v. 64-6.

6 "But if from thence thou shalt seek the Lord thy God, thou shalt find him, ir thou seek him with all thy heart and with all thy soul. When thou art in tribulation, and all these things are come upon thee, even in the latter days, if thou turn to the Lord thy God, and shalt be obedient unto his voice, for the Lord thy God is a merciful God, he will not forsake thee, neither destroy thee, nor forget the covenant of thy fathers which he swear unto them."—Ib., c. iv., v. 29-31.

"Then the Word of the Lord came to me saying O house of Israel!

The Delty acted upon this principle towards the Jews several times between the death of Joshus and the accession of Saul, as nerrated in the book of Judges, and frequently afterward. It was very strikingly illustrated in the case of Ahab. When the last fatal denunciations were uttered by Elijah against him for his persisting in iniquity, the long-resisting ling become unexpectedly penitent; then the threatened calmidy was immediately postponed to a future generation of his descendants, who renewed the transgression in a more against all above.*

LETTER XL.

The Bisine Commends to the Joseph Nation as to their Poor,—Reasoned Principles on the production in Rociety of all its Necessaries,—The Bisines Plan has been that every Producer in a Bengfactor, and that all are conferring Bengfits on each other,—It is the Ibity and Interest of Bostety to provide the Machanism and the Messa, that all who are in sensi of Employment should be furnished with it.

MY DEAR SYDNEY.

Among the moral precepts which the Deity expressed to the action he had so specially formed, we find in those which he directed to regulate their conduct towards each other principles as peculiar and superior as those which he inculcated with regard to himself. Instead of confining them to the

cannot I do with you as this potter. Behold! as the slay in the petter's

"At what instant I shell speak concerning a nation and concerning a langdom, to plack up, and to pull down, and to destroy it, IF THAT HATHOM against whom I have pronounced THES FROM THESE ST., I will repeat of the evil that I thought to do unto them. And at what instant I shall speak concerning a nation and concerning a kingdom, to build and to place it if if if do evil in my sight that it obey not my veloc, then I will repeat of the good wherewith I said I would benefit them."—Jeremish, c. pvill., v. 5-10.

"And it came to pass, when Ahab heard those words, that he rent his clothes, and put sackcloth upon his flesh, and fested, and by in sackcloth, and went softly. And the Word of the Lord same usto Elijah the Tishbite, saying, Seest thou how Ahab humblest hisself before me? Bacarese he humbleth himself before me I will not bring the evil in his days: but in his son's days will I bring the evil upon his bruss."—I Kings, e. xxi., v. 27-29. mere rules of justice on which the ethical codes of antiquity were founded, he extended them to require kindness. affectionate feeling, and mutual aid; sympathy and benevolence in the mind, as well as in the actions of every one, towards those with whom he was living in neighbourhood, or in national society, or had any dealings or intercourse, or who should need his friendly services.

These feelings were solemnly enjoined by the Deity in his

laws to the Jews in this emphatic command :-

"Thou shalt love thy neighbour as thyself: I am the Lord:"* implying, who require this of you. To this was added the injunction, that every seven years all creditors were to release their debtors of what they might owe them, and claim it no more; † and they were to do this act of generosity with a willing heart, and not to be severe as it approached.I If they did so, the Divine blessing was largely promised them. They were also at the same period to liberate their Hebrew bondservant, and to give him ample supplies on parting with him. To the poor they were to be always liberal, and to regard them as brethren.

" If there be among you a poor man of one of thy brethren within any of thy gates in thy land which the Lord thy God giveth thee, thou shalt not harden thy heart nor shut thine hand from thy poor brother; but thou shalt open thine hand wide unto him, and shalt surely lend him sufficient for his need in that he wanteth.

"For the poor shall never cease out of the land: therefore I command thee, saying. Thou shalt open thine hand wide unto thy brother, to thy poor, and to thy needy in the land."

Such being the Divine instructions and injunctions on this

* Leviticus, c. xix., v. 18.

Deuteronomy, c. xv., v. 1.

"Beware that there be not a thought in thy wicked heart, saying.
The seventh year, the year of release, is at hand; and thine eye be will
against thy poor brother, and thou givest him naught; and be ery unto
the Lord against thee, and it be sin unto thee."—Deut., c. xv., v. 8.

§ "Thou shalt surely give him, and thine heart shalt not be grieved when thou givest unto him: because that for this thing the Lord shall bless thee in all thy works, and in all that thou puttest thine hand unto."

-Ib., v. 10.

| | 1b., v. 12. "And when thou sendest him out free from thee, thee shalt not let him go away empty. Thou shalt furnish him liberally out of thy flock, and out of thy flock, and out of thy when the Lord thy God hath blessed thee thou shalt give unio him."-Ib., v. 13.

7 Deut., c. xv. v. 7, 8-11.

Ampertant subject, let ue see how the impartial reasoning upon it, in its natural bearings and circumstances, will lead us to a cataciding acquisecence.

All who live on earth are follow-creatures, originating alike from the same Orestor, and possessed of one common nature, with the same system of being, qualities, and wants. All require to be sustained by food, and, in civilized life, need also raiment and habitation, and many necessaries and conve-

pleases of family use for their daily comfort.

What we thus require arises from two different sources. One of these is the Deity, the other is our follow-beings. The sustenance of mankind is the annual provision of the Supreme through his vegetable and animal kingdoms. But all the other necessaries and conveniences of life are made by hamma industry and ingenuity, in the various arts and manufactures of society. The materials of all are in created netwer; but it is the hand of man which converts these into clothing, houses, and all the other means and implements of our demastic and social use. Every year the Divine system ressure the needed food; and every day, in civilized nations, the sepulation are employed in making what others will also want.

What human labour thus fabricates, each must make for himself, or obtain from those who can supply him with it.

The food which mankind require is produced upon the surface of the earth in proportion as it is cultivated.

The supply is scanty without culture, and would only suit a small population. Therefore, as the numbers multiply, more land must be tilled and more produce raised in proportion to their progressive augmentation. The harvests obtained by the skill and labour of the husbandman, originating from his personal exertions, can be justly claimed by no one from him without his consent. When all are cultivators, all can thus produce their own supplies.

But when nations become populous, it is found that a part of them only is necessary for that agricultural industry which will raise from the natural surface the sontenance which all require. The rest of society then apply their labour and ingenity to make all the other necessaries and comforts which has whole population needs as well as their food.*

^{*} Mr. Rickman then exacts the result of his enumerations and electricentiate from the population returns ;--

In this condition all nations are existing: one portion obtaining from the soil of the country the sustemance for all; the others making in the various arts and manufactures whatever else is wanted.

But as every one will need something that another makes, every one who is thus employed in supplying society with the fruit of his labour is doing daily good, and is really exercising a philanthropic employment.

Every artisan performs an act of benevolence in everything he frames. His own interest may be his impulse and object; but he is conferring benefit on some one by everything he produces. His workmanship will give comfort and pleasure to others, whether he means it or not.

If others did not make my shoes, and hat, and coat, and stockings, I must live in the pain or discomfort of being without them. I am therefore obliged by the poorest man, whose hands have formed what I derive such hourly advantage from.

No one will labour if what he makes by his thought and industry is to be taken from him. It therefore becomes, from the beginning, one of the earliest and most fixed laws of human society, that every one shall have an absolute property in the work of his hands, and therefore in all that he makes and obtains. The law of individual property is thus coeval with all-civilized life. The savage plunders and is plundered. He therefore makes nothing beyond his most urgent wants, and for these as little as possible. Hence savage tribes have no property. Right of holding it without molestation from others, security in its use and possession, must therefore be

In England the families employed chiefly in agriculture are 761,349; those in trade, manufactures, and handicraft, 1,182,912; all other families, 901,076.

In Wales these respective classes are 73,195; 44,702; 48,641. In Scotland, 196,591; 207,259; 168,451; or, on the whole of Great Britain, Agricultural 961,134

> 3,414,175 families Rickman, vol. ii., p. 1042.)

(Rickman, vol. ii., p. 1042.)

By the above we perceive that in Wales the families in husbandry were nearly double those in trade, &c. In Ireland the proportion of the agricultural is still greater; for there, out of a population of 1,325,026 families, 884,339 are employed in the production of food.—Perter's "Progress of the Nution," p. 50.

established before mankind will make anything for the use of others, or anything comfortable for themselves.

Hence the welfare of all requires the full establishment of the right of individual property; the prohibition of all invasion of it; and the certainty of enjoying, using, and disposing of it solely as the holder pleases. Until this right be solidly fixed and universally upheld, man must live in destitution and discomfort.

But two results arise from this indispensable law. One, that every man must labour for what he wants; and the other, that he cannot have what he desires, however necessary for his existence, unless he earn it from those who possess it. For if he does not work for what he will need, some others must work for him while he is indolent, and no one is willing to do this. None will habitually work gratis for others. All work for each other, expecting a fair remuneration in some shape or other; but none without a return which he deems equivalent, or which is satisfactory to him. Every one retaining what he has, and not parting with any portion of it without an equitable consideration, each must find the means of obtaining what he needs from those who have it by giving to them what they also want: thus society subsists by its members exchanging labour and produce with each other.

One delivers an article of his property for something which is the property of the person who applies; and on this system of interchanging the fruit of each other's skill and industry all interchanging the severywhere subsisting and generally flourishing.

But as commodities can seldom be conveniently exchanged for commodities, and never in the small portions and on the series of occasions in which they are wanted, all nations use a medium or instrument of this barter; and this is money. The money of a country can be divided into small parts, as well as be put together into larger ones; and therefore it is a ready means of buying and selling at all times and in all degrees, and hence is used as the medium of our social traffic. The labourer takes money for his labour, because he knows that when he takes that to the shopkeeper, he will have for it the things he wants up to its value.

Hence every workman and trader seeks payment for his labour and produce in money, and by that acquires from others what they have made which he desixes.

The system of Providence therefore is, that man shall employ himself in his social world in cultivating the soil to obtain its yearly harvests, and in making for himself out of the materials, mineral, vegetable, and animal, which are upon the earth, all the other necessaries he requires. These materials are always ready to be so used, and are abundant beyond the possibility of man's exhausting their natural store. he can take up and work at whenever he pleases. It rests entirely with himself what he shall do with them, and how much he will fabricate or not. This rests, I say, with himself, as between man and his Creator; but beyond this it is an affair between each individual and his fellow-creatures. For here again the laws of property apply, and sav. although there is this exuberance of the substances from which the necessaries of life are formed, yet, as in civilized life, every yard of ground, and all that is upon it, have become the appropriated possession of some one, none must take any part but as the owner gives or allows.

The same plan, therefore, prevails as to the supplies for all our wants. Man receives from God everything that is necessary in unfailing sufficiency, or, more generally, in superabundant quantity. But in civilized society, all that the Creator thus provides becomes the property of individuals as it arises, and has to be imparted by them to each other as they shall

think proper.

Thus, as to our food, the Great Giver, after his yearly donation of it in the vegetable harvest, leaves it to the cultivators and owners of the soil to distribute between themselves and the rest of society. All that relates to it after its growth and full maturity belongs to man. It is committed then to the self-interest, the benevolence, the duty, and the necessities of those who receive it from the heavenly bounty. made essential to their self-interest and personal comfort that they should raise enough for others as well as for themselves. No society would allow them to hold it under any system of property if they did not. They are also, for their own sakes, obliged to let others have what they do not consume in their immediate families. What the most selfish motives thus compel, every benevolent feeling of man's nature makes pleasing to him; and it is moral duty thus to act towards the society which permits him to have the sure property in it, and protects that right to him. All who make the other conveniences

of life are under the same impulses and obligations. All have what others want, and must be supplied with from them.

Is is the will and desire of the Creator, and the tendency of these sympathies, with which he has emated the human coul, that all who have more than they need should distribute the surplus to the rest who have occasion for it. And as the massal and intellectual character of human nature improves, this will be its instinctive labit. No one will, in time, let another went what he can supply. It will be a part of his happiness to give as well as to receive. The distribution will then cause more pleasurable sensations to him than even the percenal enjoyment. Many feel this already. So truly was it said by our Saviour, by him who made our frame, and who, by living in it during his human life on earth, knows how it feels in all its nobler emotions, "It is more blessed to give than to secolect this aphorism; for it was the Giver of all blessings who prescuenced it, and therefore it presents to us one of the sules on which he bestows them.

But until human nature reaches this stage of its progression, the actuating cause which leads the possessors and makers of the necessaries of life to part with them to each other, is their own individual need of what others have. Each can get the supplies he wants only by giving to their owners equivalent

portions of what be is holding.

He is, therefore, always offering these for sale to others, that, by the money which they produce, he may purchase from ethers what he has occasion for; and thus all that is yielded by mature or made by man is in constant application, distribution, and circulation through every class of society.

No system of human supply could have been planned on a more benevolent device: for it suggests and cherishes philanthropy between man and man in every part. It makes every one a benefactor to the other. It is a benefaction to me from the extissm or labourer who provides what I want, that he produces it for me; and from the trademan who sells it to me, that he obtains it, and keeps it ready for me whenever I sp-

[•] It is fit. First who has preserved to so this impressive observation of our Divino Instructor. At the end of his farward address to his factor is lightered, he reminded them that he had tought them to emport the week, and to remember the words of the Lard James, how to light, "It is more blessed to give than to teachers,"—Lath Tan, n. v.

It is a benefaction from me to them that I buy it. and give for it that money which they can employ again in procuring fresh supplies for those who will need. Thus buyer and seller, producer and consumer, are equally benefactors to each other, and may increase their own happiness and each

other's by so considering themselves.

Indeed, it is a moral defect in us not to keep such ideas in our mind, for by the omission we convict ourselves of perpetual ingratitude. I accuse myself of partaking too much of the fault I notice. My breakfast is very simple. One cup of tea, with sugar, but no milk, and merely dry bread, which I eat with it. Thus I require four things for my morning, as

also for my evening meal.

The water is my Creator's supply, always at hand, but to how many persons am I indebted for my other three articles! The tea is a kind of inspiration to my mind, and a gentle excitation of happy spirits and comfortable feelings, and has been so all my life. Yet what a vast social machinery is necessary to be put in action! How many must work and lebour in a thousand ways, and some endure much suffering and hardship, before I can enjoy either my single cup of tea or its sugar! Ships must be built by laborious shipwrights. Officers and seamen must be trained, and watch, and toil, and endure all the privations, and storms, and dangers of a distant voyage. Merchants must undertake and carry on the commercial enterprise which employs them. The Chinese farmers and their labourers must raise the tea-tree from the soil; and the West India planters and their operatives must tend the growing of the sugarcanes, and boil out and transmit the sugar. Dealers at home must then get them into their shops, so as to be ready when I need them. Thus, though I have only to send to a grocer's shop for them, yet they could not be there, nor come thence to me, without all this stupendous apparatus of working fellow-creatures, toiling in all their multifarious occupations.

The tea and sugar on my table represent all this series of human activity to me; and when I duly think of it, I ought to feel that I have congenial obligation to every one who has thus contributed to give me an enjoyment of high gratification twice every day. It is for them to feel congenially on their parts to those who employ them, and who, by purchasing what they bring, are also causes of pleasure and comfort to them.

And how greatly would our mutual philanthropy increase if we choyed the dictates of our reason and better feelings, and regarded each other as the instruments of those reciprocated cambete which give life so much daily happiness. It is in these mutual benefactions that civilized society is most distinguished from the savage state. For in this man is his own analytic only, and is destitute, wild, and miserable for being so.

Now, what is wanted in order to give these sensations to all ! Nothing but the recollection of such facts. If every sen would think that what he was doing was not mere iid labour, for a selfish object, but that he was really making nat would be serviceable to some of his fellow-creatures. and would give them comfort; and if he would accustom his and to feel pleasure in the idea that he was thereby becomeme of the causes and creators of human happiness, and rould surve his work with a sentiment of desire to benefit. very article be made would be a benevolent fabrication, and s making of it with such feelings and for such a purpose a may deat action. Such views and feelings turn every emsymment into a scene and school of virtue. Providence at it to be so. And whoever works, sells, or buys with so ideas and feelings, will be charishing virtuous emotions id leading a virtuous life, whatever be the occupation. We by thus moralise and dignify every path and exertion of hun industry; and we shall make both our social and our inwidow life the happier if we do so.

These all the supplies of all our necessities arise from Divine beselection and from human labour. All have the same wants and need the same sufficiencies for them. No man can make for hisself all that he requires, and each, therefore, makes for others, and all become supplied by these reciprocal intercinance of articles and mediums with each other, every one beselting others and benefited by them. Society relie on through time with this circulation of mutual good, which only weaths the inspiring spirit of mutual kindness and benevolence in the inspiring spirit of mutual kindness and benevolence in the inspirit, desire, and execution, to make it everywhere

Visions and happy.

But from this point arises the great difficulty on this subject between men and man, under which the social world is averywhere existing, and which I feel myself incompetent to serve, and too ignorant of the flets and circumstantes and method with it to write usefully and not presented to the

Yes. III.—N m

This difficulty is, that many are destitute of their daily subsistence and of the means of acquiring it, although plenty is existing in every society; and also, that those who, by their skill and labour, could add to the provision of the necessaries of life, find no means or channels by which they can make their willing industry serviceable to them, or no demand for what they do or supply. All towns, villages, and countries have a large portion of persons in this unprovided and destitute state, although there is always enough provided by Providence or fabricated by man for every existing individual's use and comfort.

Some plan should be devised to remedy this; but what

that plan should be I am unable to suggest.

The usual remedies required by the suffering are agrarian laws, equalization of property, the abolition of all classes but the labouring one, and the diminution of their labour, and of the necessity for working. It has been fancied that the spoliation of the wealthier, and the destruction of all riches, and a community of property, would heal every evil and make every one happy; a great and infelicitating mistake—because, if acted upon, it would spread destruction around, and make misery or poverty the general lot. This would make the unprovided class so much more wretched, that most of them would be unable to survive.

These results I can foresee, but how to alleviate the evils is the important problem which statesmen and legislators have to solve. I am too inexperienced in the practical details of the national and local subjects which it involves to presume to decide what ought to be done. I can only, with real diffidence and with a desire to be enlightened by those who are better acquainted with them, make a few observations on the circumstances and principles which should be taken into consideration by all classes of the community.

It seems to be a reproach to a society to have within it any who are desirous to work, and by their honest industry to obtain their needful share of the subsistence and conveniences of life, and to have no employment to give them, that they may exercise their laudable wishes and useful activity.

It is an imputation on the intellect, as well as on the philanthropy of the society, that this is the case, because all their comforts arise from individual productivity and individual labour. Each of those wanting occupation can be a product of some of these utilities, or of others that will be serviceable if he were employed to do so.

Each can by his industry add to the property and enjoyments of his country, at the same time that he gains for himself the necessaries he requires. To let him be inactive and suffering by not putting his creative powers into use, is an injury to the state as well as to him; for if it be desirable to have more property, such persons are the instrument to make it. All further property of any kind must arise from further labour; and these unemployed persons offer the producing industry that will increase the stock of the general wealth and of individual convenience.

That society is in want of a vast deal more property is evident from the majority of its population having so little of it. Yet all those who are desirous of working, but who camot get employment, are so many makers of what others want, who could be put into action to produce it.

It is therefore a vicious anomaly in our civil polity, that there are so many who want more property in order to be comfortable, and so many able and willing to labour to make it; and yet that these are not supplied with some employment that would alike benefit society and themselves, but are left to starve or suffer in useless inactivity and unwilling indolence.

What will remove such a disgraceful anomaly! Who is in fault? Is there a want of benevolence or of intellect in the society, that so many capable instruments of beneficial productions are left in this unused and paralyzed state, merely because society has not provided the due plans and means to avail itself of their good wishes and industrious capacities? No; our nation abounds with talent and philanthropy, but it has not directed its thoughts and feelings sufficiently to this momentous theme. It has not yet done what is obviously the thing wanted. It has not yet devised an operative system of finding and giving useful employment to those who cannot get it for themselves. It has not established wise plans for setting the unemployed to be the makers of what others want, er for distributing to those what they cannot make or procure for themselves. For any to have more property or convemiences, more labour is required; it is therefore essential to social welfare that, when so many offer more labour which would be productive of more commodities, means abould be in existence at all times to employ the willing industry in augmenting the public happiness.

How this desirable object can be practically effected I am

unable to state.

But some parochial or municipal mechanism is wanted for this purpose; some always open and approachable medium by which those wanting employment may, without depreciation, discredit, or displeasure, find the work provided for them, or recommendations or introductions to it, by which they may support themselves as long as they need, and lossen the poverty in society by increasing its articles of property and convenience.

Whether public boards or private associations in towns or parishes could best do this, I cannot say. But as large communications and intercourse between different places would be necessary, perhaps some general system, with local ramifications, would be most availing. From the labours of such men, the cottages of the poor might, by wise and kind distributions of the produce, be supplied with many family conveniences that would diffuse great delight and much improve-The poor cannot buy many things they need. How patriotic it would be to use the surplus labour which is everywhere asking for employment, in making in every parish what so many are needing, and could thus so easily be supplied with! But I can only express wishes and speculations; I am incompetent to devise the proper institutions that would be at the same time unobjectionable and efficient; but there are many able men who can supply my deficiency. I can only send you these general suggestions.

I will merely add, that as it is more labour which can alone remove the poverty that exists, it is a mistake to imagine that the general labour of society can be ever leasened, or that its diminution would increase human happiness; nor is it wise to cherish any prejudice against it. Nothing but the invention of machinery, as effective to make what it accomplishes, can supersede it. The less labour there is in a society, the less supply there must be, and, of course, the less comfort, from the absence of the supply which is abstracted by the absence of the industry that provided it. All that mankind enjoy arises from their respective labours. Some individuals may be, and are so circumstanced as to have a burdensome proportion. This requires some scheme of a better division and distribu-

tion of the industry required, but no diminution of it, unless human art can make wood and metals, steam or stones perform what is now effected by human activity and strength. The less agricultural labour without this substitute, the less food must be had, and so of every article which our artisans provide. To lessen labour would be to make poverty more poor and more universal.

It would also lessen all that happiness which arises from eccupation which is not pernicious to others, or individually prejudicial; for without continual employment man would be and is a dissatisfied, unhappy, and wrongly-scting being. But the laborious occupations of society certainly need henevolent and legislative revision and regulations. The factory system contains evils which disgrace the owners who continue them and the nation whose legislature allows their duration. All such things should be remedied; the poor should be guided, taught, counselled, and assisted, but never persecuted, harshly treated, oppressed, or neglected. National prosperity will increase as they are more kindly attended to.

LETTER XLI.

The Jewish Nation raised up for two main Purposes, which their History has accomplished.—The Rievation of it to be the Sovereign Empire of the World presented by Rolomon, Jeroboum, and the People relabishing Paganism among them.—Their Devision into two Kingdoms.—The preducted and rescuted Douonfall of these People for persisting in their transgressions.

MY DEAR SON.

The Deity appears to have raised up his Jewish nation for two great purposes, besides the collateral ones which were also promoted by it. One of these was to enable him to display himself to mankind as he wished to be known by them, and therefore to make his oranipotent infinity appear to them in these interesting and comprehensible qualities and features with which they would be most concerned, and thus to be in their conceptions, from sensorial and actual knowledge, that marrial and intellectual personality to which because source were meant to be assimilated, as far as created being could resemble such a wonderful and all-perfect Creator. The Divise conduct in all things exhibits principles of action which we are to imitate, as far as they apply in our human life and dealings. He manifested himself at various times, in order to produce on the Jewish mind, and, through that, on all others, those impressions and effects which would be most promotive of their right, moral, and intellectual formation.

To this end even their perversities were made conducive as well as their obedience. For whatever they did gave their Divine Sovereign an opportunity of shaping and advancing his tuition accordingly. His blessings and his corrections alike educated and instructed them. The one admonished them what they were to avoid, the other what he approved and rewarded. By all he disclosed the feelings, views, expectations, determinations, and principles which he entertained as to human nature, and on which he had created it. In his dealings with them he taught both them and us, by action as well as by procept; and by causing what he did and said to be faithfully recorded, in its principal and sufficient outlines, in written language, he has made his lessons and manifestations to them the common property of all his human world, who can read the transmitted and preserved narrations, or hear what they contain. By this means all that was done or inculcated by him in Egypt, on Mount Sinai, in the Wilderness, in Judea and elsewhere, has been said and done for us as much as for them, and has been, ever since these sacred writings have been known and studied by other nations, enlightening and guiding all the populations of the world. From our Saviour's time more especially to this moment, they have been forming and enriching the intellect of human nature, in all its national sections, with a knowledge of Divine truths. with an excitation of Divine feelings, and with a perpetual melioration of character.

The mental and moral results of these Divine means and agencies we are now inheriting. They have raised human beings now to an elevated superiority above all the ancient generations, and will be still working their improving and illuminating effects, with increased power and fertility, in every new generation that will arise. This part of the Divine process, in the formation of his Jewish nation, and in the addition to that of his grand Christian Revelation, has been fully answered

—Divinely efficient. The present state of the world is the visible evidence of its successful and magnificent operation. Human nature never has been so great and rich in all the qualities that adorn it as it is at the present moment, notwithstanding the vices and errors which yet deform society, and so often sadden individual life.

The other great purpose was to make it instrumental to the improvement of all the rost of mankind, and to the disclosure of the Divine government of all nations on the earth; and to prepare, by what was done in it and with it, for the introduction of his great Christian system, which was to be his next grand process, for the benefit and formation of all his human world. It is to this second purpose of his Divine plan in the Jewish nation that I will now direct your further attention.

It seems to have been the intention of the Almighty, if the Jewish people would have steadily acted on the laws and principles which he had taught them, to conduct and aggrandise them to be the sovereign nation of the earth, ruling all, and the pattern of moral, religious, and intellectual excellence and progression, for all to see and imitate.

The Mossic language leads us to this inference. Such splendid intimations are several times repeated, t and would have been accomplished if this people, by training themselves according to his instructions, had made themselves fit to be such a predominating nation. But they soon fell into that extraordinary infatuation of the ancient world which we have before considered. The next generation after Joshua forgot

[&]quot;If thou carefully hearken unto the voice of the Lord thy God to abserve to do all those commandments which I command these this day, those whalf reign over many nations, but they shall not reign over thee."—Dost., c. xv., v. 5, 6.

[&]quot;All the people of the earth shall now that thou art called by the name of the Lord, and they shall be afraid of thee. And the Lord shall make these the head and not the tail; and thou shall be above only, end thou shall be above only, end thou shall not be beneath,"—Ib, c. Evvil., v. 10-12.

^{**}Per if ye shall dilgently keep all these commandments, to do them, to leve the Lord your God, to walk in all his ways, and to cleave mate him, THEN WILL THE LORD ATTENDED TO THE PROPERTY OF THE PROPERTY PROPERTY AND THE PROPERTY PROPER

[&]quot;There shall no man be able to stand before you; for the Lord your God shall by the four of you and the dread of you upon all the land that ye shall tread upon, as he hath said unto you."—[b., c. xi., v. 48-48.

their Divine benefactor, and adopted the paganism of the nations around them.* This compelled him to afflict them. by giving victory over them to those they were perversely imitating, in order to recover them from the folly. But their repentance was soon succeeded by relapses, and this alternation of right and wrong conduct continued, till at last they threw off the immediate government of their Sacred Legislator, and insisted upon having one of themselves made their visible and ruling king. Saul was chosen to this dignity, but was so little faithful and obedient that his dynasty was put aside, and a new one, in the young shepherd David, was raised to the Jewish throne in his stead.

David became, in mind and feeling towards God, all that he was required to be: but the corruptions of great prosperity undermined his moral resolution, and in an evil hour he committed a crime, by the indulgence of his sensual passions, which could not but have the most injurious effects, by its bad sanction and example, on all his people. He repented with bitter self-remorse; but he had done the moral mischief to his nation, and, though pardoned, was doomed to an afflicted life, on account of the permicious consequences of his conduct. that the world might see and know that piety without virtue is an incongruity, to which suffering and chastisement are attached in the providential administration of human life.

In Solomon there appeared a prospect of a sovereign who would enlighten and moralize his country, and prepare it for expanding into the greatness of its promised destinies. Choosing in his youth moral wisdom as his self-chosen good, he was blessed with every temporal benefit and greatness: but his worldly happiness became his ruin. He resolved to enjoy bodily pleasures in all their forms, and he felt the effects of such unrestricted enjoyments.† They weakened his mind

^{*} Judges, c. ii., v. 10-33.

† "I said in mine heart, Go to, now, I will prove thee with mirth; therefore enjoy pleasure. I sought in mine heart to give myself to wine, and to lay hold on foll; till I might see what was good for the sons of men. I gat me men-singers and women-singers, and the delights of the sone of men : musical instruments, and that of all sorts; and whatsoever mine eyes desired I kept not from them. I withheld not my heart from any joy. I turned myself to behold wisdom, and madness, and folly."— Eccles., c. ii., v. 1-12.

The issue of his experience was, that it was all vanity and vexation of spirit, and no profit to him, v. 11. But it incurably contaminated his nation, and debilitated himself, and nullified all the benefit of his preceding windom.

and debased his moral principle, and he laid the foundations of the rum of his nation, and intercepted all its farther progress. by allowing his favourite women to acquee him to establish that paganiam which his people had been specially raised and miraculously aggrandized in order to subvert and extinguish. From that time the sun of larged began to set; the kingdom was divided into two parts by the Divine mieriarenes f

This degravation of mind and conduct mercaned upon them in every succeeding reign. They became uncless in their mtended matrumentality of enlightening and governing the world, and preparations were then made, on this continued defection, for the destructive fulfilment on them of all the deminerations which had been predicted on such inaconduct, and for the succeeding operations on other nations, which would, by other means, produce the improvement and promote the progression of human nature

The Divine windom proceeded gradually in its operations to abase and remove the offending nation, and to preduce its downfall by such successive events as would most benefit the rest of mankind. He raised up a new Syrian kingdom on their northwestern frontier at Damaseus, to prevent their farther conquests, and to be an instrument of discipline upon them ! He caused Jeroboum, one of Solomon's brayest officers, to be amounted by a prophet to separate tan of the tribes from the rest, and to form of them a new kingdom, agart from the two others, which Solomon's son and successors would govern. Thus the Jewish ration was broken into two kingdoms on secount of their adopted idolatry 4. These

of thee, I will surely rend thy kingdom from thee, and will give it unto

.B., v. 23 25. 6 "And he said to Joroboum, Thus make the Lord the Und of Invest.

^{* &}quot; Science went after Ashturch, the guidess of the Zidonians, and after Milrom (Mulech), the shomination of the Ammontes. And Solemen did ovil in the night of the Lord, and want not fully after the Lord, no did David his father. Then did Rolomon build a high place for Chemuch, the abministration of Most, in the hill that is before Jerusalem, and for Meloch, and likewise did he for all his strangs wives which burst incomes and escribed unto their gods."—I Kinga, c., xi., v. b. 8.

" "Wherefore the Lord and unto Notomes, Foresmuch as this is done

or times, a will seriesty rene try singnoon from tows, and will give a time thy anerunt. I will rend it out of the haid of thy one, but will give one type to the part of the stripe of the tipe of the stripe of th

becoming jealous of each other and mutually hostile, precluded all further aggrandizement of their dominion.

The fears and cowardice of ambition, and love of nower. induced Jeroboam to set up a new idolatry in his new kingdom, to prevent the people from attending three times a year at Jerusalem, at the great annual sacrifices appointed by Moses to be celebrated there in a national congregation. * Paganism became then the habitual religion of the country, with a succesgive addition of the most offensive forms and ceremonies. The Deity, by his prophets, by affliction, and by repeated changes of dynasties as each transgressed, endeavoured to recall them to the paths of reason and duty. † But no discipline or exhortations availed; and therefore he prepared the means and instruments for their overthrow, after an admonitory struggle of two centuries and a half. The nation appointed to subvert them was the kingdom of Assyria, on their northeastern frontier. In the 254th year after Solomon's death, Shalmaneser, after a siege of three years, took their capital, Samaria, and carried all the population away into his own dominions 1

The division which forms the smaller kingdom of Judah was not for some time so totally perverted, and had occasionally some kings of ability and true piety. Hezekiah and Josiah were the most distinguished of these. But at length they became irrecoverably immersed in the same pernicious delusion which had destroyed their severed sister nation. They survived her fall 133 years, and were then, after all the prophets had failed to reclaim them, overwhelmed by the new conqueror of Asia, specially raised up to found a new empire-

Behold. I will rend the kingdom, and give ten tribes to then: BECAUSE that THEY have forsaken me, and have worshipped Ashtoreth, Chemosh, and Milcom, and have not walked in my ways."—I Kinga, c. xi., v.

* Ib., c. xii., v. 26-33.
† Elijah and Elisha were the prophets who were commissioned to display the reality of the Deity they had abandoned, by miracles which proved his power and agency in opposition to their powerless idols; but the contrast did not overcome the attractive infatuation which misled

‡ 2 Kings, c. xvii., v. 3-6. "And carried Israel away into Assyria. and placed them in Halah, and in Habor, by the river Gozan, and in the cities of the Medes."-Ib., v. 6.

From this time we hear no more of these ten tribes, nor is it known whether any of their descendants are in the world at present, though it is thought by many that there is a remnant in some region yet unvisited. Bolomon died 975 years before the Christian era. Israel fell in the 721st. Nebuchednesser—the King of Bubylon, whom the history of Daniel has so interestingly delineated to us. Jeremiah forewarned them of the certainty of this visitation in this admonitory prophecy.

" Then came the word of the Lord unto Jeremiah, saying,

" Mehold! I am the Lord: the God of all flesh. Is there saything too

hard for me?

"Therefore thus saith the Lord. I will give this city into the hand of the Chaldenes, and into the hands of Nebuchednezzar, king of Babylon, and he shall take it; and the Chaldeans that fight against this city shall se and set fire on this city, and burn it with the houses, upon whose reach they have offered incomes unto Baal, and poured out drink-offerings to other gods, to provoke me to anger. And they built the high places of Besi, which are in the valley of the son of Hinnom, to came their sons and daughters to pass through fire to Molech,"

The first Babylonian army sent retiring on the approach of an auxiliary force from Egypt, the Jews thought they were safe; on this mistake Jeremiah was directed to exhort them not to be misled by the temporary deliverance.

"Thus shall ye say to the king of Judah : Pheraoh's army, which is ne forth to belp you, shall return to Egypt into their own land. The Chaldeans shall come again, and fight against this city, and take it, and bern it with fire." This was reasserted with a peculiar emphasis: "Thus each the Lerd, Deserve not yourselves, neying, The Chaldeans shall enroly depart from us: for they shall not depart. For though ye had emitten the whole army of the Chaldeans that fight against you, and there remained but wounded mon among them, yet they should rise up every man in his tent and burn this city with fire."!

The Bebylonian conqueror, on his first invasion, deposed the Jewish king, and placed one of his sons, Zedekish, on the throne in his stead, to be subordinate to himself. But when this prince, trusting to the Egyptian succours, had revolted from him, Nebuchadnezzar came with that vindictive army which, after two years' siege, took the strongly-fortified Jerusalem, and burnt it to the ground, with the magnificent temple which Solomon had so sumptuously erected.

This catastrophe is thus described to us ;--

Their lest king. Zedekish, "was one-and-twenty years old when he season to resign, and respect eleven years in Jerusalem."
"And he did that which was o'll in the night of the Lord his God, and

humbled not himself before Jeremah the prophet, specking from the mouth of the Lord but he stiffened his neck and hardened his heart from turning to the Lord God of lered. Moreover, all the chief of the priests and the people transpressed very much after all the abuninations of the

^{*} Jorospine, C. MENH., Y. 28-0, 28. | 10., 0. NEETH., Y 7-10.

heathen, and polluted the house of the Lord which he had hallowed in Jerusalem.

"And the Lord God of their fathers sent to them by his messengers, rising up betimes and sending, because he had compassion on his record

and on his dwelling-place.

"But they mocked the messengers of God, and despised his words, and misused his prophets, until the wrath of the Lord stree against his

ple, till there was no remedy.

"Therefore he brought upon them the King of the Chaldess, wno slew their young men with the sword in the house of their sanctuary, and had no compassion upon young man or maiden, or him that stooped for age.

Bo comparation for the property of the large state gres of the house of the Lord, and the treasures of the hing and of his princes, they brought to Babylon. And they burnt the house of Ged, and brake down the wall of Jerusalem, and burnt all the pelacon thereof with fire, and destroyed all the goodly vessels thereof; and them that escaped from the sword carried he away to Babylon, where they were servents to him and his sens until the reign of the kingdom of Persia.

"To rulest the word of the Lord by the mouth of Jeremiah, until the land had enjoyed her Sabbaths : for as long as she lay desciate, she kept Sabbath to fulfil threescore and ten years."

This captivity Jeremiah had predicted to be appointed to last for seventy years. † To this period it was limited : and the celebrated Cyrus was the sovereign designated by Isaiah. one hundred and twenty years before the destruction, as the person named and chosen, and who would be raised up and supported by the Divine agency, to overthrow the Babylonish empire, and to release them from their captivity, and permit and assist them to rebuild their metropolis. Such predictions are demonstrations of the reality, and of the operation of Divine agency on the human minds which utter them, and in the national movements which accomplish them, and in the results and revolutions which they produce.1

* 2 Chron., c. xxxvi., v. 11-21.

† Jeremiah, c. xxv., v. 12, and c. xxix., v. 10. ‡ The prophecy of Isaiah on this subject is a stream of sublime eloquence, as it is of a supernatural inspiration : for no human mind could of itself have formed such an exact and particularizing forceight.

"Thus saith the Lord thy Redeemer,

and he that formed thee from the womb. I AM THE LORD THAT MAKETH ALL THINGS ; That stretcheth forth the heavens alone : That spreadeth abroad the earth by myself; That frustrateth the tokens of the seers, and maketh diviners mad; That turneth wise men backward, and maketh their knowledge foolish; That confirmeth the word of his servant, and performeth the counsel of his messengers;

D. 7. 9.

LETTER XLIL

The Mistory of the Jewe presents a series of the Supernatural Agency of Providence on their Nation and on the Kingdoms of the Barth.—
Of two sorts, Sensorval and Intellectual.—The latter displayed in its Operations in the Rise and Fall of Nations, and in the Prophecies concerning them.—Review of these.—Conclusion of the Work.

MY DEAR SON.

The history of the Jews, from the death of Solomon to the Bebylonian captivity, is, in almost every succeeding reign, a history of the supernatural agency of the Providential ruler of the earth, made perceptible to the mind and senses of those to whom it was addressed. The interferences were directed, in the most gracious manner, for their benefit and improvement in the immediate effects; but as the omniscient foresight of their deserted Benefactor anticipated their determined averseness to his guidance, they were successively performed for the instruction and advantage of all other nations and ages to which they should become known.

That saith to Jerusalem
'Thou shalt be inhabited,'
And to the cities of Judah
'Ye shall be built,
And I will raise up the decayed places thereof,'
That saith to the deep 'Be dry,
and I will dry up the rivers;'
That saith of Craus
'Be is my Shopherd,
And shall perform all my pleasure:
Even saying to Jerusalem
Thou shalt be built;
and to the Temple
Thy foundation shall be laid.'"

Insish, c. xiiv., v. 94-8.
This comforting promise of deliverance to his people from their captivity was introduced by this beautiful offusion:

"Bing, O ye heavene!

"Sing, O ye heavene!
For the Lord hath done it.
Shout, ye lower parts of the earth!
Break forth into singing, ye mountains!
O firest and every tree therein,
For the Lord bath redesumed heath,
And glorified himself in lesent."

They present to us so much of the history of his moral government as it is important for all mankind to be acquainted with: and this became more useful to all by the principles on which it is conducted, and the ends it has in view, being illustrated by clear statements of the causes which occasioned the interpositions, and of the purposes which they acted to effectuate.

They were of two sorts, sensorial and intellectual. sensorial were the miraculous or supernatural incidents which Elijah, Elisha, and some others were authorized to pray for, to order, or to occasion. The withering of Jeroboam's arm and its restoration; * the fracture of his idolatrous altar; † the destruction of the prophet by the lion, for his disobedience to the command he had received; the appointed famine, and the feeding of Elijah in the desert to the daily supply of the Sidonian widow's flour and oil, and the revival of her son :I the fire from the skies to kindle his sacrifice in his contest with the priests of Baal, one of the finest narratives in the Old Testament; T the storm of rain, which ended the chastising drought; ** the Divine appearance to the prophet at Horeb, commanding him to anoint Hazael to be King of Syria, and Jehu to found a new dynasty in Israel, both meant to be and used as human instruments to execute the Divine plans at that time directed against this wilfully offending people; † the lightning which descended on those who came to apprehend him. II and his final ascent from the earth in a whirlwind of electrical fire :66 these, and the supernatural events which followed the bidding of Elisha, his ordained successor, were so many admonishing proofs at that time to the whole nation of the certain existence, superintendence, and operation in human affairs of the God they were so contumacionaly deserting. adapted to recall them from their errors and folly. But it was one of the delusions of the pagan system to admit and believe the power and agency of other gods, without therefore

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* 1 Kings, c. xiv., v. 4, 6. 

‡ 1b., v. 20-26.
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§ Ib., c. xvii., v. 1-7. ¶ Ib., c. xviii, v. 17-40.

† Ib., v. 3, 5.

^{||} Ib., ▼. 9–24.

^{**} Ib., v. 41-45.

^{## 10.,} c. xix., v. 1-17. The nation had become so universally devoted to their paganism, that out of all their number, in this division of it, spearently between two and three millions, only seven thousand were abserting to their real God.—1b. v. 18.

^{21 2} Kings, c. i., v. 2-17.

^{\$} Ib., c. H., v. IL

discrediting their own superstitions. Hence these manifestations of actual omnipotence did not induce them to forsake what they preferred. Their inclinations were with their own practices, and against the sacred morality and appointed worship of the true Jehovah. They seem not to have disputed so much his existence and potentiality as to have insisted on an intercommunity between him and the idols and chimeras which they were worshipping.

The prophets repeatedly allude to this descerating union, which nullified all the Divine purposes in their elevation and

tuition.

The intellectual department of the supernatural agency, which distinguished most prominently the latter part of the period between Solomon and Zedekiah, consisted of a series of prophetic enunciations of what the Deity intended to do, at the subsequent times which he marked, in and to the various nations of the earth, as well as in the two kingdoms of Israel and Judah.

This is that branch of the Divine agency with which we are now most interested, and which has the form and effect of a perpetual miracle to us; always appealing to our understanding. and claiming from every rightly-acting judgment a conviction of the real existence and agency of that Omniscient mind and Almighty power which alone could have planned. revealed, and produced what it inspired its ancient prophets to foretell. Many anticipations of the future are but argument, inference, and conjecture, and prove their human origin and their fallacy in their continual failures and falsehood. But all the Divine predictions have been faithfully fulfilled in the events they designated to occur, which relate to times Those which belong to our period are now in anterior to us. visible and correct fulfilment; and these facts leave no doubt on the impertially-reflecting mind, that what are specified as relating to periods posterior to our own, will be accomplished with equal accuracy and certitude.

Another grand species of this intellectual Divine agency appears to us in its special production of the nations that become distinguished in the human world; in its directing their movements; using them as its instruments, and causing their viciositudes, revolutions, and downfall, according to the variangements and objects of its preceding plan, and according as such results most efficiently contribute to bring about the

fature events, and the successive states of human spristy, and the progression of human nature, which the Divine wisdom has resolved to occasion in that series which will at last effectivate the whole of his grand scheme for the consummated formation of his human order of beings. To plan such designs evinces the extensiveness and providential intelligence of his intellectual nature. To foretell what he purposes thus to accomplish, announces both his omniscience of the future and absolute command of it. To cause the events thus intended and designated to occur, in their due order and appointed times, proves his omnipotent sovereignty and superiority over all other existence, and also that whatever is in being, whether material or spiritual, is subject to his government, and moves and acts as he influences and directs.

The prophecies in his Hebrew Scriptures, and the history of all the nations of the earth, if sufficiently studied in expell comparison with these, are the materials and the expendent of this Divine knowledge to us.

His superintendence and operations on all the other actions of the world were carried on imperceptibly to mortal sense, while he was rearing and enlarging his selected nation. Nor did he avowedly interfere with them, except to emancipate his people from their Egyptian alavery, until the reign of Solomon evinced the impossibility of making a Jowish empire, with that moral and intellectual advantage to the human world which, if its population had been steadily attached and obedient to him, would have resulted from their universal sway. In that case all mankind would have been under his immediate government by their political instrumentality, and that which is yet to be in some following age would then have been realized to the ennobling and felicity of all.*

^{*} The state of the earth that is yet to occur is thue depictured by lealsh:—"And it shall come to pase in the last days, that the mountain of the Lord's House shall be established on the top of the mountains, and alth warrous shall flow unto it.

[&]quot;And many people shall go and say, Come ye, and let us go up to the mountain of the Lord; to the house of the God of Jacob; and he will teach us of his ways, and we will walk in his paths.

teach us of his ways, and we will walk in his paths.

"For out of Zion shall ge forth the law, and the word of the Lord from
Jarusalem."—Isalah, c. ii., v. 2, 3.

Mical uttered one nearly similar, e. iv., v. 1. The revelation and diffusion of Christianity began the fulfilment of these predictions, but they seem to point to a full and literal accomplianment, by the conduction ment of a divincity-reliced congite, of which leavestern will be the directly.

When their defection became universal, and their removal was determined on, by their becoming not only useless, but injurious to mankind, the Deity then began to avow and demonstrate his agency and government in the other populations at that time in the world.

His first act of this sort was to raise up the Syrian kingdom already mentioned. His next greatest operation was to elevate the ASSYRIAN nation to sufficient power, and to use that as his instrument to chastise and subvert the most populous portion of the Jewish people—of which Jeroboam, by his enjoined revolt, had founded the separate kingdom of Israel—and also to overthrow several of the minor states in those regions, with their local and offensive superstitions.

That Assyria was specially reared and aided by the Divine power to become for the time this predominating kingdom, and to do what it accomplished, we learn from the repeated pre-

dictions of its operations by the sublime Isaiah.

He announced its triumphs, its effects, and likewise its appointed downfall, when it had accomplished all that it was to perform. His tenth chapter is an express exposition of the Divine principle and intentions with respect to it, and of its erdained instrumentality.

"O Assyria! the rod of mine anger.
THE STAPP in their hand is MINE IMPLEMENTION.
I WILL SEME MIN
against a hypocritical nation;
and against the people of my wrath
WILL I GIVE MIN A CHARGE;
To take the spoil and to take the prey,
and to treat them down like the mire of the streats."

There was no public declaration to Assyria that it was only acting as an instrument of the Divine counsels. The supernatural influence on the minds of its leaders was so imperceptible to them, that it was not distinguished by them from their own thoughts and feelings. Hence they had no notion that they were employed but as agents to execute a superior plan. They considered themselves to be following only their own policy and views by their conquests. This is thus intimated:—

[&]quot; However he meaneth not sa; Neither doth his heart think sa.

But it is in his heart to desiray And to out off untions not a few. For he saith, yer as well, "As not my princes altegrater bings? In not Calmo to Couchessist? In not Houseth to Arphad? In not Houseth to Arphad? As my head both front the hingdoms whose genes images did once these of Jerusaism and Sameria, il I not, as I have don Semaria and her ide

The prophet therefore announced, that as soon as the instrumentality of the Assyrians had been used against the Jews, their kingdom should be thrown down, having only had the triumph in order to be such an instrument.

"Wherefere it shall come to pass, that when the Levil hack pastenes his whole work upon Mount Zion and on Jerusalem, I will passish the freit of the atom beart of the king of Assyria, and the glory of his hig levie.

" For he calch, By the etrength of my hand I have denait; and by my

wisdom, for I can product.

"Shall the axe boast itself against him that heweth therewith? or shall the eave magnify itself against him that shaketh is?

"Therefore shall the Lord, the Lord of Heats, seed cancer bie fit east. leatmess; and under his glory he shall kindle a burning, like the burning of a fire."

Assyria was used for two other important objects besides the subversion of the kingdom of Israel. One of these was the abolition of that Syrian kingdom which had been specially raised up as a means of chastising discipline to the Jews. Amos, many years before, had predicted its overthrow. The King of Assyris, in the reign of Ahaz, attacked it, took Demaacus, slew its last king, Rezin, and carried away the people into captivity, as declared. He made this invasion to preserve Ahas from their endangering hostilities. In this event an important prophecy of Isaiah was fulfilled.

The other use made of Assyria was to destroy several of the paganisms and little idolatrous kingdoms in Syria and its vicinity. The Assyrian monarch, Sennacherib, boasted that his predecessors and himself had made these conquests.

^{† 15.,} v. 12-16. • 8 Elega, c. 27/., v. 6-18 * Issish, c. x., v. 7-11. 1 Amos, c. i., v. 3-5.

1 Issieh, c. vii., v. 1-6, 16, and c. viii., v. 6,?.

"He sent messengers to Hesekiah, eaying,
"Let not thy God, in whom thou trusteth, deceive thee, saying, Jeru-salem shall not be given into the hand of the King of Assyria. Behold! thou hast heard what the kings of Assyria have done to all lands, by destroying them utterly; and shalt thou be delivered?

"Have true come of the nations delivered them which my fathers

bave destroyed? Gozan, and Hazan, and Kezoph, and the children of Eden, which were in Telassar? Where is the King of Hamath, and the King of Arphad, and the King of the city of Sepharvaim, Hene, and Ivah !""

Hezekiah alluded to the same fact in his supplication to God, when he went to the Temple with Semacherib's insulting letter, and spread it on the altar with this prayer :-

" O Lord of Hosts! God of Israel! that dwellest between the cherubins! Thou art the God, even thou alone, of all the kingdoms of the earth! Thou hast made heaven and earth. Hear the words of Sennacherib, which has sent to repreach the living God!

"Of a truth, Lord! the kings of Assyria have laid waste all the nations, and their countries; and have cast their gods into the fire; for they were no gods, but the work of men's hands; wood and stone. There-

fore they have destroyed them "

Thus the Assyrian empire cleared this part of Asia of their ancient superstitions, and of these minor kingdoms, and established its own more improved system instead.

It was probably the chief object of Jonah's mission to Ninevel, in the preceding century, to produce that improvement in them which would fit their descendants to be thus made use of. The result of his visit was a great national amendment.1

The next great kingdom specially raised up by the Deity, and declared by him to be so, was the sudden and short, but brilliant and, for a time, all-subduing BABYLONIAN monarchy. This, like Napoleon's empire, seems to have been created by the military genius, activity, and resolution of one man, actuated by the Divine impulses to the various enterprises he pursued and accomplished. This was Nebuchadnezzar, or, as Strabo names him, Nebuchodonosor; and the ends he effected were the conquest of Assyria; afterward of Egypt, and likewise of the Phænicians, in addition to his demolition of the kingdom and temple of Judah.

Jeremiah was the prophet instructed to announce his successes. After a series of exhortations, peculiarly eloquent

[·] Issieh, e. XXXVII., V. 9-12. 2 Jenes, c. M., v. 10.

and nathetic, to the king, chiefs, and people of Jerusalem and Judeh, to relinquish their idolstry and vices, he declared that, if they continued in their alienation, they would be conquered by the king of Babylon, and their city taken and destroyed, and that Nebuchednesser, whose name he cometimes prononness Nebuchadreszar, was the person destined to execute this sentence against them."

He repeated this, with the addition that this monarch would he also commissioned to act as victoriously against all the-

kingdoms around them :-

"Beheld! I will used and take all the families of the North, saith the Lord, and Nobuchadressar, the king of Babyles, MY GENVANT, and will bring him against this land, and against all these notices remain about." "There must the tenth; the mail and the beast that are upon the ground, by my great power and by my outstretched arm; and have given it unto whom it seemed must into me. And now I have given all these lands into the hands of Nobuchadressar, the king of Bubyles, my cantral the very times of bit land come: and then many mations and great himse shift servey the and the same, and his cort's conjunct the very time of bit land come: and then many mations and great himse shift servey the many mations and great kings shall serve themselves of him."1

The same prophet also announced that this new conqueror was appointed to invade Egypt, to subdue it, and to destroy their pagan temples and images. This was the first time that this ancient and powerful people had been subjected to any Asiatic or northern empire. But the period of its greatness was now ordained to end, and Nebuchadnezzar was the sovereism decreed to inflict the humiliation. Jeremiah was ordered to lav some stones under the earth in the front of one of the Pharaoh's palaces, as the foundation of the stranger's regal seat of triumph, and was directed to predict,

"Thus saith the Lord God of Hosts, the God of Israel; Behold! I will "Thus saith the Lord God of Hosts, the God of Israel; Behold: I will seed and take Nebuchdressar, are survary, and set his threse upon these atoms that I have hid; and he shall spread his regal perfilion ever these. And when he cometh he shall smite the land of Egypt; and deliver such as are for death to death; and such as are for capitity is expirity; and I will kindle a fire in the houses of the gods of Egypt, and he shall serve himself with the land of Egypt as a shepherd putteth on his garmons; and he shall go forth from thence in peace."

"I will give Pharach Hophra, king of Egypt, into the hand of his enemies, and into the hand of them that each is like "if

emies, and into the hand of them that cook his life."

Jeremiah, c. xx., v. 4; c. xxi., v. 7; c. xxxiv., v. 2. f Ib., c. xxv., v. 9. t lb., c. xxvii., v. 5-7. Ib., c. xiii., v. 10-12. IA., C. Eliv., v. 200. Another prophery highly unimend, on the same

He was also to conquer in Arabia and Syria.* But one of his greatest exploits was his invasion of Phænicia, and his conquest of her chief city, the celebrated Tyre. This was predicted by Ezekiel, who has left us a splendid description of the former commerce, the riches, and the power of this distinguished city. I This was one of Nebuchadnezzar's most difficult achievements. The Tyrians defended their walls for thirteen years before he could master the place; and because he persevered in the attack with such determined resolution. until every head of his army was hald, the Deity declared, by Ezekiel, that he should have Egypt for his reward.

His conquests extended to the Phonician colonies and also to Assyria; but the loss of the Babylonish writers prevents us from knowing much more of him than the Hebrew Scriptures exhibit. Strabo, from Megasthenes, briefly notices that his dominions extended to the Straits of Gibraltar. || Berosus described him as conquering Egypt, Syria, Phonicia, and Arabia. T. Abydenus mentions him as invading Libya and Iberia: ** and the Arabian history of the world, considered by the Mussulmans as the most authentic of their historical writings, also mentions him and his successor, calling him Buktnuar, which seems to be an abbreviation of Buchad-nezzar, dropping the profix Ne. †† He formed a new power on the earth, which the

subject, was delivered by Jeremiah, announcing the defeat of Pharack Norho's army at Carchemish, on the Euphrates, by the Babylonians .-Jeromiah, c. zi.

D., c. xxix , v. 14, 19.

[.] Ib., c. xlix., v. 9-11. His father had concurred in the revolt which broke up the Assyrian empire, and by its fall laid the foundation of his son's greatness and the rise of the Median kingdom. The fall of Sardanapalus, the last Assyrian king, is well known to you.

Ezekiel, c. xxvi., v. 7.

1 Ib., e. xxvii.

Son of man' Nebuchadressar, king of Sabylea, caused his army

to serve a great service against Tyrus.

"Every head was made bald, and every shoulder was pecied. Yet had he no wages for Tyrus for the service that he had served against it. "Therefore, thus saith the Lord God. Behold! I will give the land of Egypt unto Nebuchadrezzar, and he shall take her multitude, and take her spail, and take her proy; and it shall be wages for his armies."-

[#] Strabo Georg', l. 15. 3 Joseph., contra Ap., l. 1., c. 19; Euseb. Prep., l. ix., and Syncolius

Chron., 290. . Euseb. Prep , l. x., and Chren., p. 49.

¹¹ This Arabic work is the Tarrel I Tibres, written about 856 of 4 begins, or 800 of our ore, by Abu Jeffer ben Zureer, a M. Fabruss. It was abortly afterward translated tate Pures

Deity declares to have been the special instrument of his providential agency.*

With his elevation and with his execution of the Divine purposes in the destruction of Jerusalem and the cantivity of the Jewish nation, the sacred history of the ancient world may he said to terminate, and its civil history to begin its more general prominence and detail. No more supernatural interpositions took place in the world until the period of our Saviour's human nativity. A new course of Divine agency, and therefore of sacred history, then began, which it is not the object of my present correspondence with you to consider: here, therefore, it properly ends. The peculiarly interesting book of Daniel, which has an intellectual grandeur about it both in subject and in style, which I cannot take up without feeling, will show to you that the Persian kingdom, the Macedonian empire, and the Roman conquests and predominance were all so many designs and appointments, and therefore productions of the Great Ruler of the world, and are so displayed to be in his predictions. Nor was his prophetic eye confined to these; it extended beyond them, into the farther horizon of more distant time. He saw and portrayed the Roman kingdom as breaking in pieces all other kingdoms, and as subduing all things. The succeeding part of the King of Babylon's visionary image he described to be that "a stone was cut out without hands, which smote the image upon his feet, and brake them to pieces;" and then, while "the wind carried them away, the stone became a great mountain, and filled the whole earth."†

tions and additions. This work represents Lobarasp, who reigned at Balkh (Bactria), to have deputed Buktmust to Irak with an army, giving him the command of Sham, Syria, Irak, Chaldea, Yunun, Arabia Felix: to their eastern and western frontiers, and also to the confines of Room or Europe. These ideas show the traditional account of the extest of his conquests, though mistaking the preceding facts. See an interesting notice of this work in the British Magazine for March, 1835.

""Thou art MY BATTLE-AXE and weapons of war. For with thee will I break in pieces the nations, and with thee will I destroy kingdoms."—Jeremiah, c. li., v. 20. With the same force of metaphor Babylon is also called, from its sudden overpowering operations, "the hamner of the whole earth."—Ib., c. l., v. 23. Isaiah seems to allude to its only great king in this verse, intimating his calamity and its henefit to the world: "He who smote the people in wrath with a continual stroke; he that ruled the nations in anger, to persecuted, and none hinderelt. The whole earth is at rest and in quies. They break forth into singing."—Isaiah, o. xiv, v. 6. 7

This he interpreted to signify what would take place among the states and nations that were to follow the decline of imperial Rome.

"And in the days of these kings shall the God of Heaven set up a kinedom which shall hever he destroyer; and the kingdom shall not be left to other people, but it shall break in pieces and consume all these kingdoms, and it whall stand for ever."

A subsequent vision was sent to Daniel in the reign of Neßuchadnezzar's son, in which the rise and succession of these three great Providential empires, the Persian, the Macedonian, and the Roman, were represented by three symbolical animals, expressing their different characters; and from the last a number of other kingdoms were exhibited as arising, typified by the horns which came out from it.† To these were appended that sublime description of the magnificent and awpended which is preparing and advancing, smid the sacred clouds that now involve the future destinies of our earth and of mankind, but which I will lay before you without comment, as no mortal knowledge or penetration can yet specifically illustrate the mysterious scenes and events which it implies, and which will hereafter be developed and realized to some generation of our late posterity.

"I beheld till the thrones were cast down, and TER ARCIEVY OF DAYS did sit, whose garment was white as snow, and the hair of his head like the pure wool. His throne was like the flery flame, and his wheels as berning fire.

"A flory stream leaved and came forth from before him. Theseand thousands ministered unto him, and ten thousand times ten thousand stood hefore him. The judgment was set and the books were opened. "I saw in the night visions, and behold! One like the flon of Man

"I saw in the night visions, and behold! One like the Son of Man came with the clouds of heaven, and came to the Aucustr or Dava, and they brought him near before him. And there was given him dominion, and glory, and a kingdom, that ALL PROPLE, nations, and languages should save sink. His dominion is an everlasting dominion which shall not peen away: and his kingdom that which shall not be destroyed."!

I have now to bid you farewell as to this correspondence. I hope it will lead you to form right ideas on the Sacred His-

Daniel, c. H., v. 44.

[†] On this subject Bishop Newton's work on the prophecies, and Keith's late publication also upon them, taken from it, but much enlarged and surreled with very valuable additions of his own, deserve your susualized

paing. I Deald, c. VII., v. 9, 10 13, 14.

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tory of the World, on which I have endeavoured to sketch the outlines of its leading subjects. I mentioned some other topics in the preface to my second volume among those which it would be desirable to review; but, on reconsidering them, I find that they principally concern the civil history of the world, and, therefore, are not within the compass of the present work.

I should like to take a survey of ancient history, between the periods of the establishment of the Babylonian empire and our Saviour's nativity, which would embrace what I here omit, upon the views and principles of the present work, for my own larger information and improvement; and as these subjects are peculiarly interesting to me. I shall, for my own sake, study it. But whether anything may arise from this application that may seem to me to be worth laying before

you or others, I cannot now foresee.

Approaching the age of seventy, it would be abourd in me to give any promise or pledge about what must be uncertain from mere natural causes. But if I feel unable to suggest anything useful to you upon it, I would recommend you to make it one of the studies of your maturer life, as it will well reward you for the improvement which such sacred contemplations always produce. The WAYS of Gop will always constitute as noble a subject of science as his splendid works: and the more intellectual human nature becomes, the more they will be investigated and understood. It is his assurance that the true knowledge of HIM shall become, at some future period, universal in the earth.*

^{* &}quot;For the earth shall be filled with the knowledge of the glory of the Lord, as the waters cover the sea."—Habakkuk, c. ii., s. 14.

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